

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097059.D
 Acq On : 26 Jul 2017 6:06
 Operator : SJ/JU
 Sample : I4399-02 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Quant Time: Jul 26 06:50:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

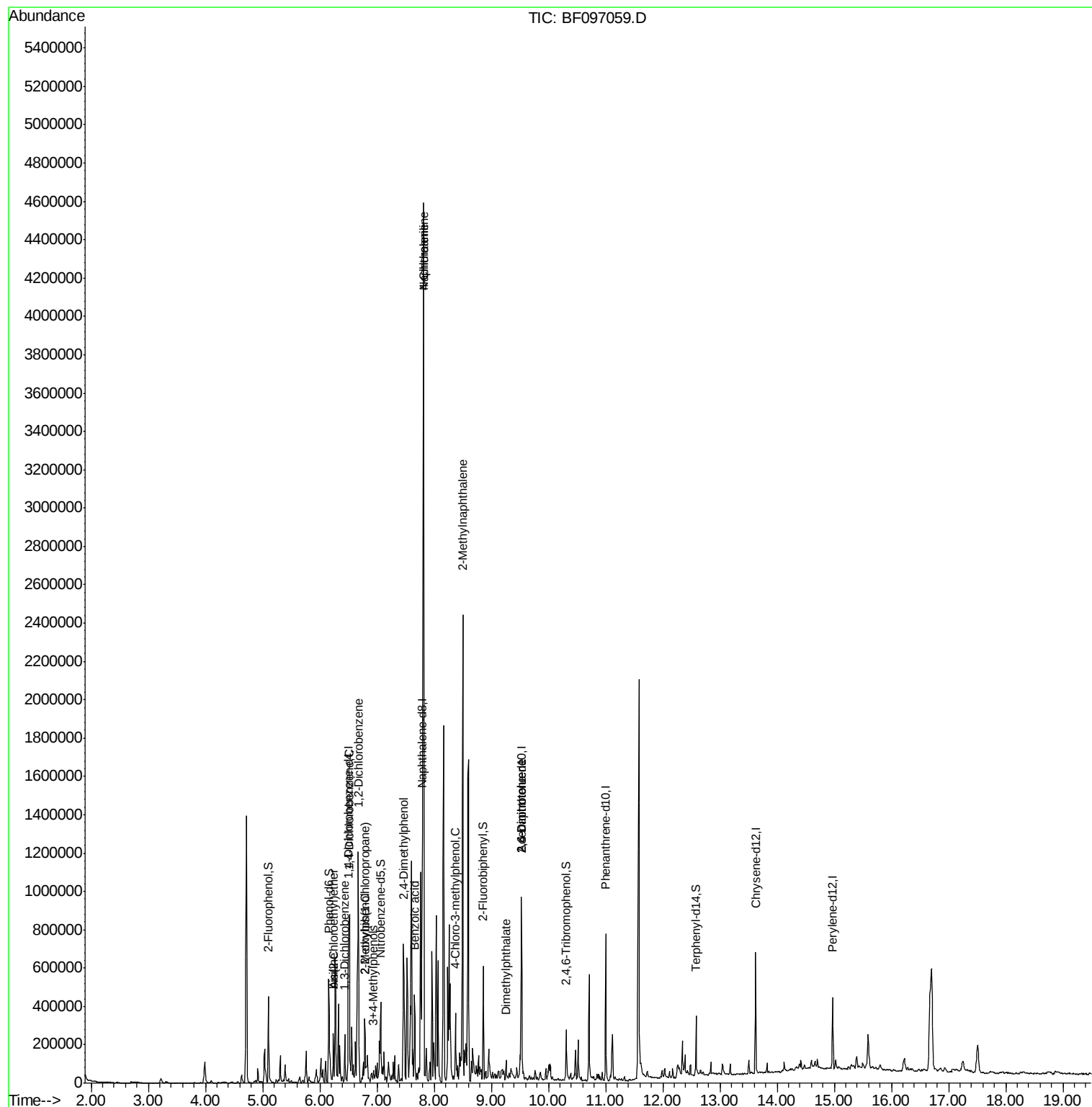
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	113470	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	428893	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	171363	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	249704	20.00	ng	0.00
75) Chrysene-d12	13.62	240	201280	20.00	ng	0.00
86) Perylene-d12	14.97	264	145721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	141092	18.74	ng	0.00
7) Phenol-d6	6.16	99	168627	19.62	ng	-0.01
23) Nitrobenzene-d5	7.06	82	97677	13.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	25276	18.67	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	155020	15.35	ng	-0.01
78) Terphenyl-d14	12.58	244	78679	7.97	ng	0.00
Target Compounds						
6) Aniline	6.23	93	69230	6.40	ng	Qvalue # 52
11) bis(2-Chloroethyl)ether	6.23	93	69230	8.59	ng	86
12) 1,3-Dichlorobenzene	6.44	146	58117	6.70	ng	97
13) 1,4-Dichlorobenzene	6.52	146	181218	21.08	ng	94
14) 1,2-Dichlorobenzene	6.67	146	241834	32.22	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.79	45	128343	7.94	ng	88
17) 2-Methylphenol	6.78	107	17218	2.77	ng	# 78
20) 3+4-Methylphenols	6.94	107	18045	2.22	ng	# 58
27) 2,4-Dimethylphenol	7.46	122	166739	24.54	ng	97
31) Naphthalene	7.82	128	3021105	149.43	ng	99
32) Benzoic acid	7.66	122	59000	11.63	ng	# 16
33) 4-Chloroaniline	7.82	127	410389	49.89	ng	# 33
36) 4-Chloro-3-methylphenol	8.37	107	19423	3.04	ng	# 14
37) 2-Methylnaphthalene	8.50	142	635170	49.62	ng	99
49) Dimethylphthalate	9.26	163	34254	2.63	ng	99
50) 2,6-Dinitrotoluene	9.53	165	22804	8.26	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	22804	7.19	ng	# 34

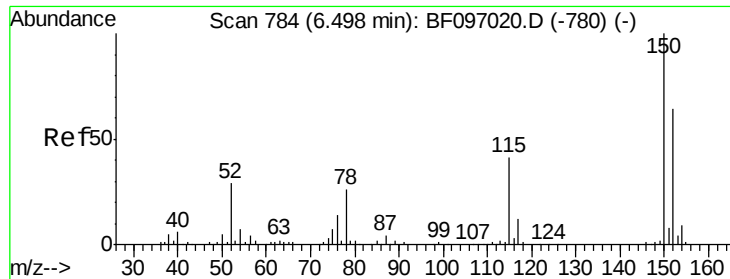
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

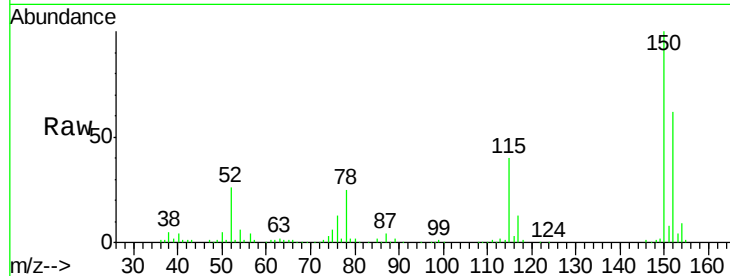
Tot Ion:152 Resp: 113470

Ion Ratio Lower Upper

152 100

150 160.0 126.2 189.2

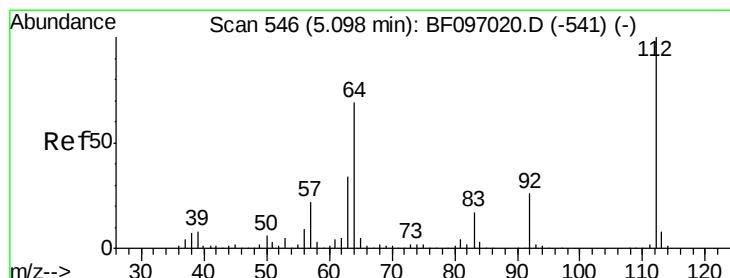
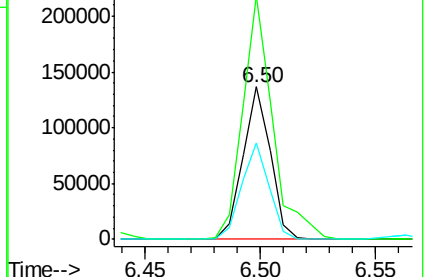
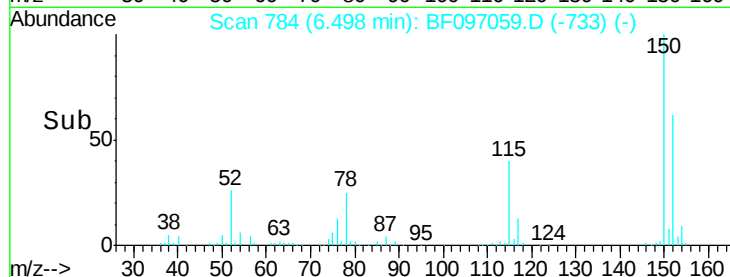
115 63.4 52.2 78.2



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: 18.74 ng

RT: 5.10 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

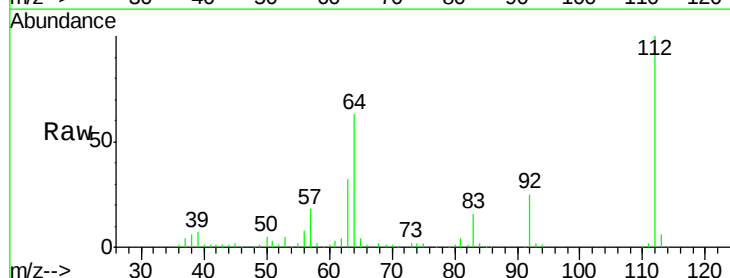
Tgt Ion:112 Resp: 141092

Ion Ratio Lower Upper

112 100

64 63.0 46.0 69.0

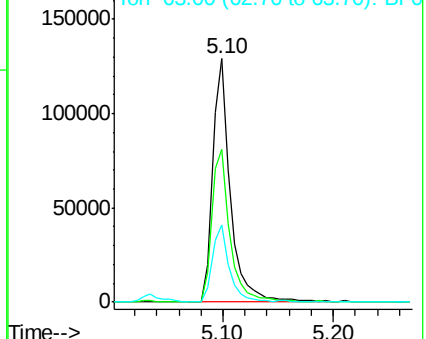
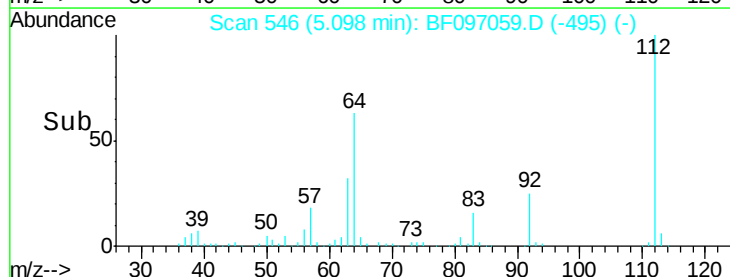
63 31.6 23.4 35.0

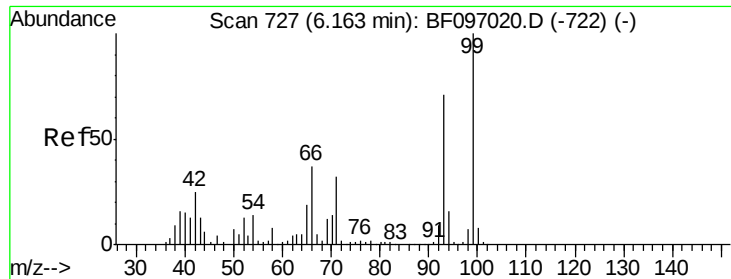


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 6.40 ng

RT: 6.23 min Scan# 739

Delta R.T. 0.07 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

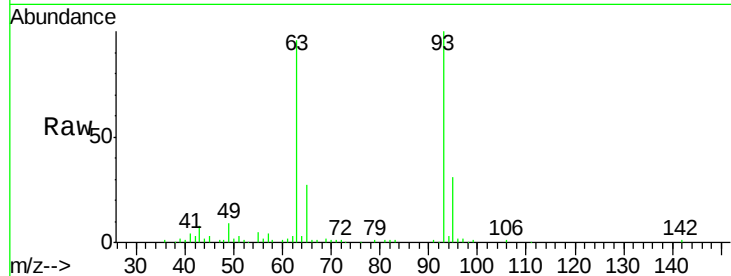
Tot Ion: 93 Resp: 69230

Ion Ratio Lower Upper

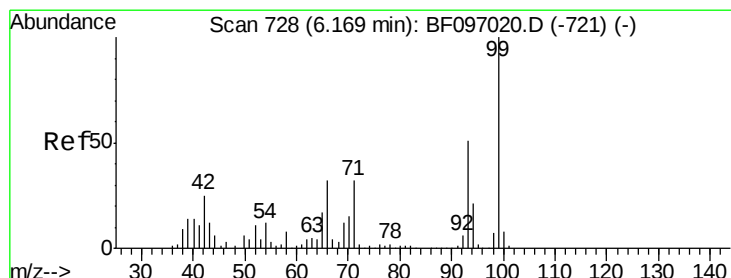
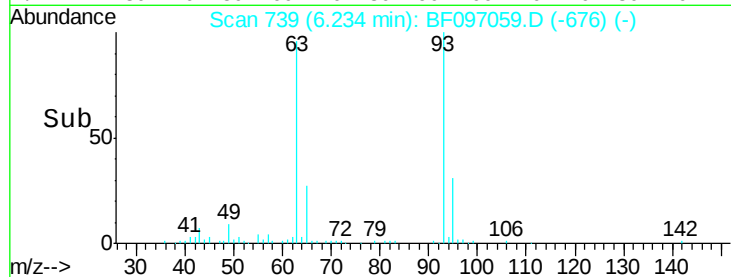
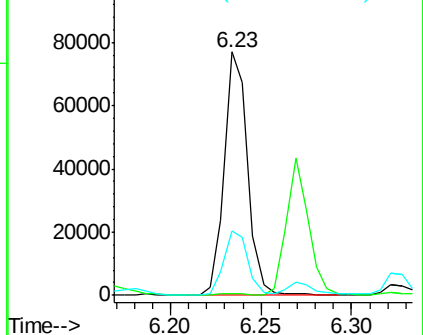
93 100

66 0.6 32.9 49.3#

65 26.7 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 19.62 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

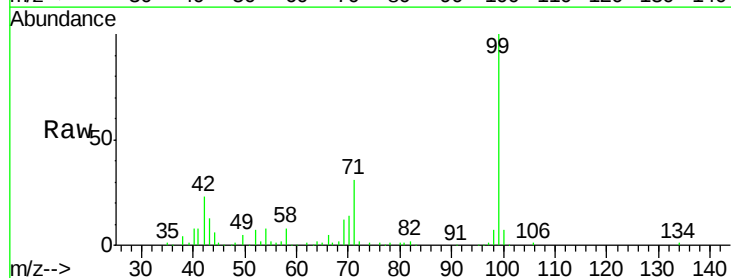
Tgt Ion: 99 Resp: 168627

Ion Ratio Lower Upper

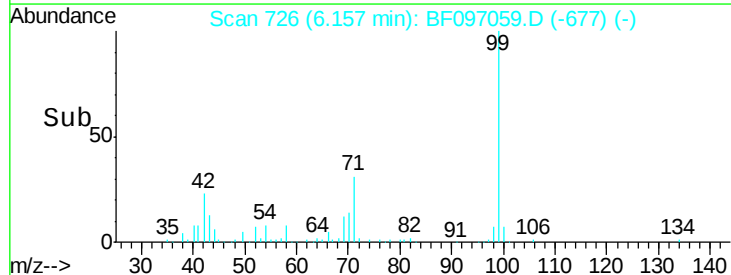
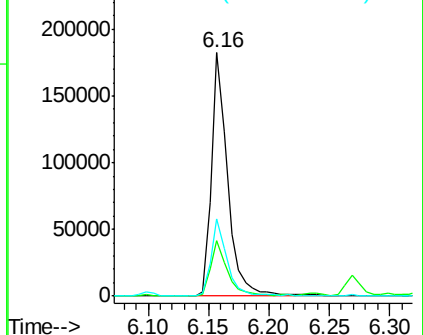
99 100

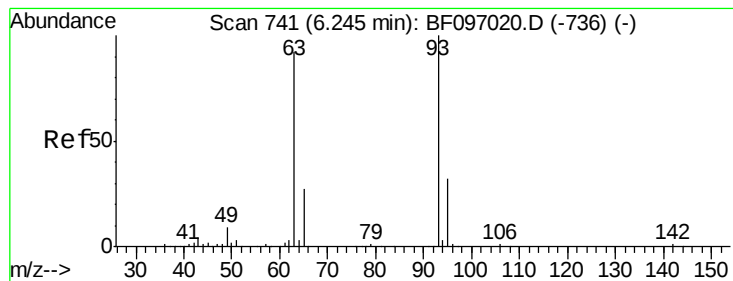
42 22.6 13.5 20.3#

71 31.5 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





#11

bis(2-Chloroethyl)ether

Concen: 8.59 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

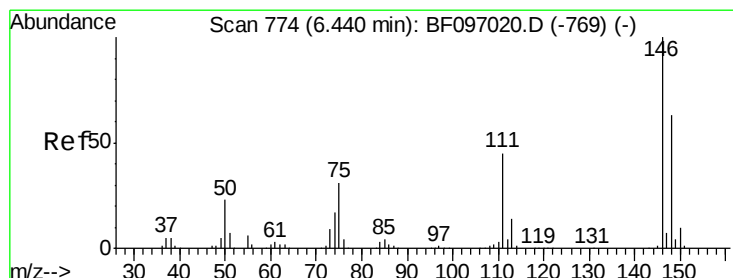
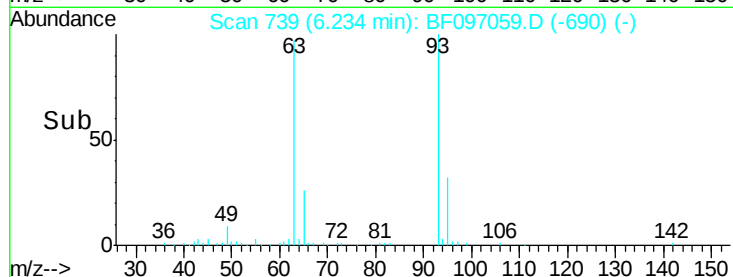
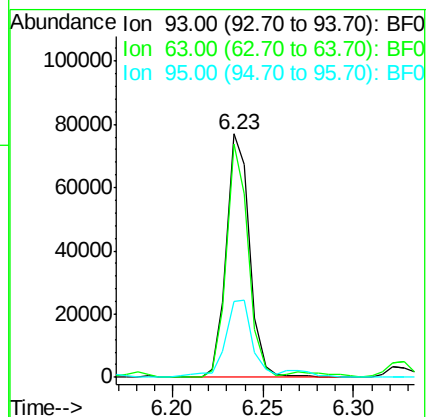
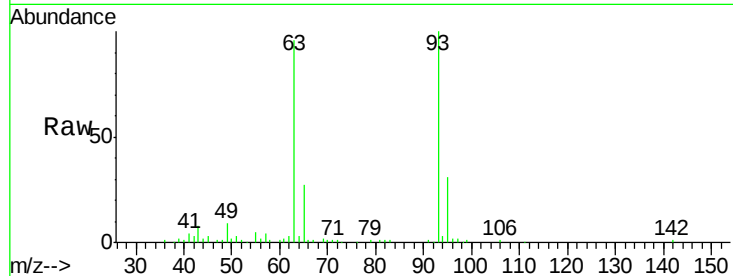
Tot Ion: 93 Resp: 69230

Ion Ratio Lower Upper

93 100

63 96.1 59.2 99.2

95 31.3 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 6.70 ng

RT: 6.44 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

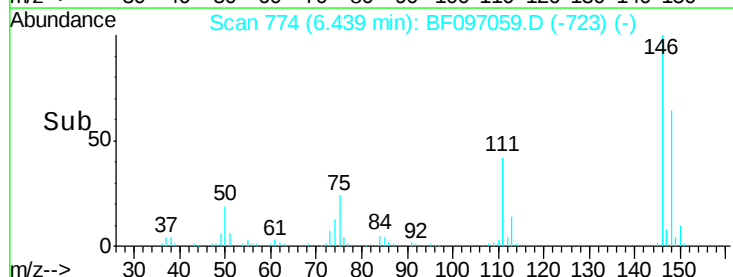
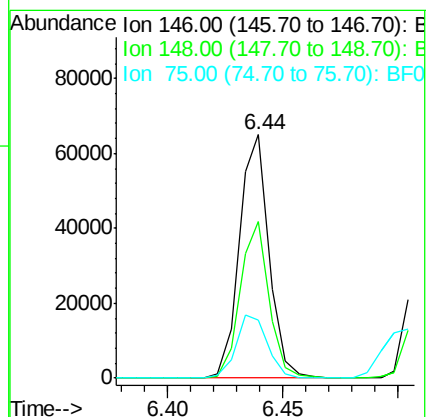
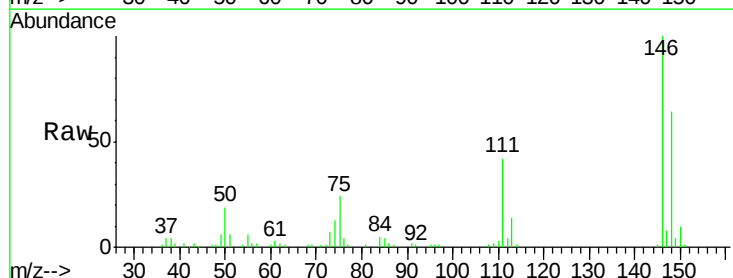
Tgt Ion: 146 Resp: 58117

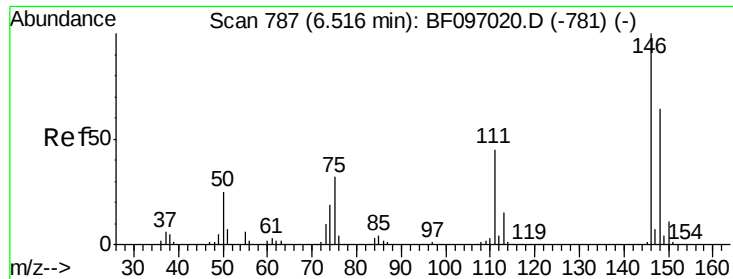
Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.6

75 24.0 23.1 34.7

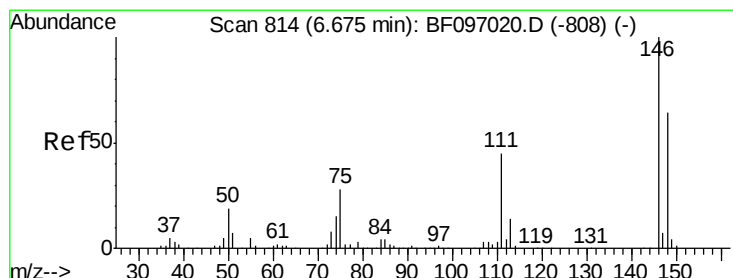
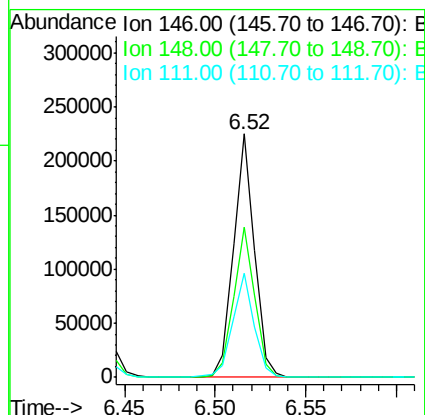
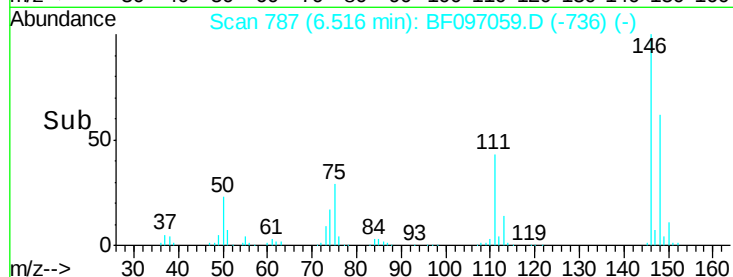
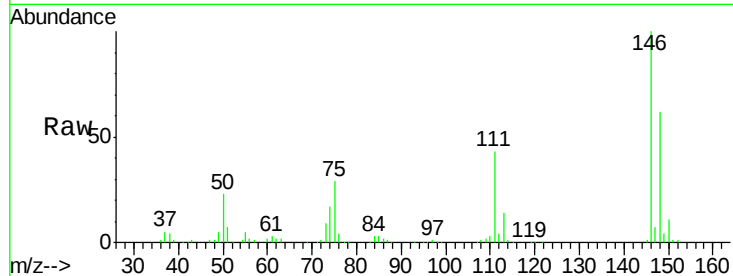




#13
 1,4-Dichlorobenzene
 Concen: 21.08 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

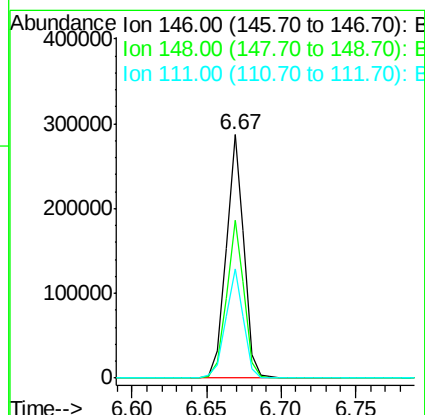
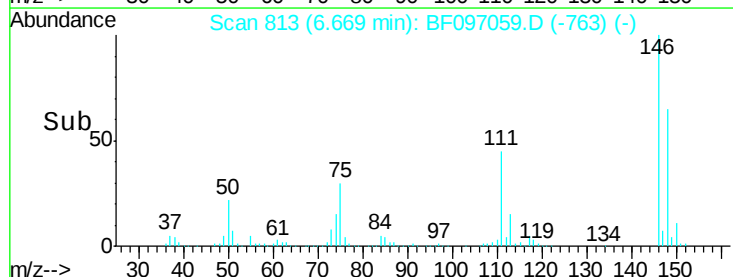
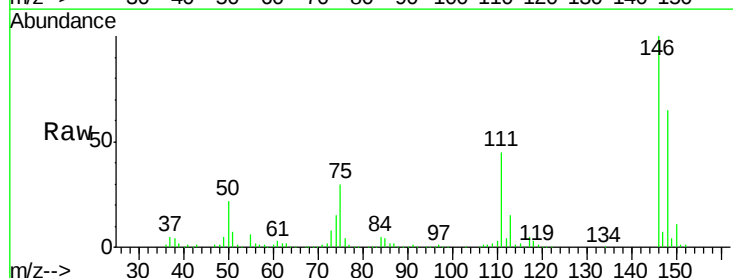
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

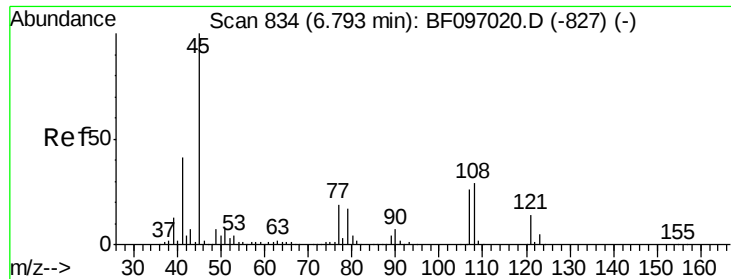
Tot Ion:146 Resp: 181218
 Ion Ratio Lower Upper
 146 100
 148 61.9 52.2 78.2
 111 42.8 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 32.22 ng
 RT: 6.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion:146 Resp: 241834
 Ion Ratio Lower Upper
 146 100
 148 64.7 50.4 75.6
 111 44.6 38.2 57.4

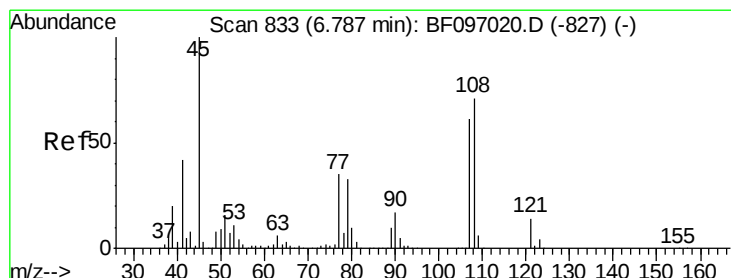
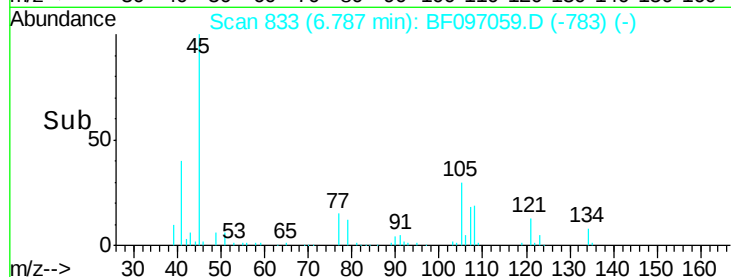
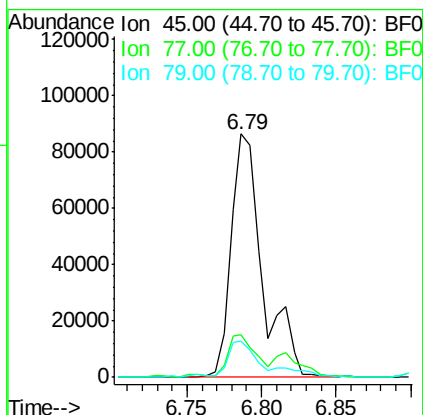
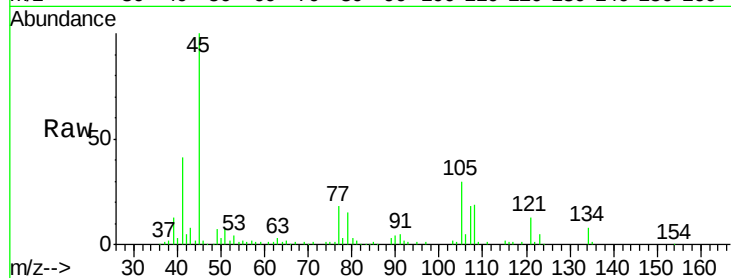




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 7.94 ng
RT: 6.79 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

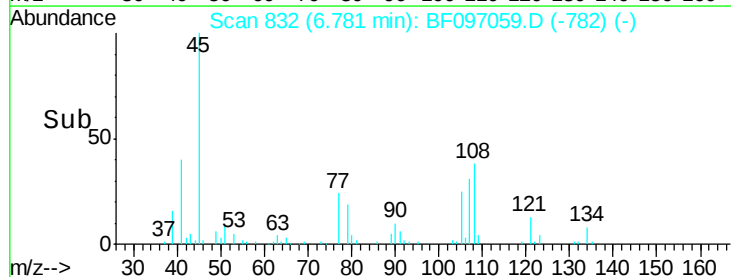
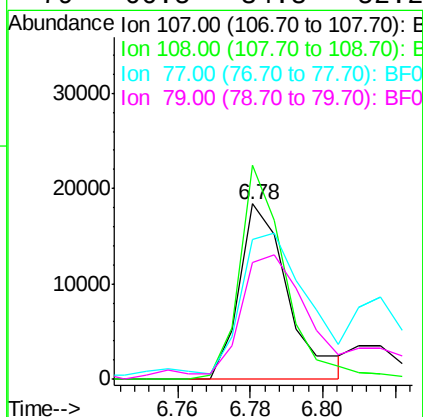
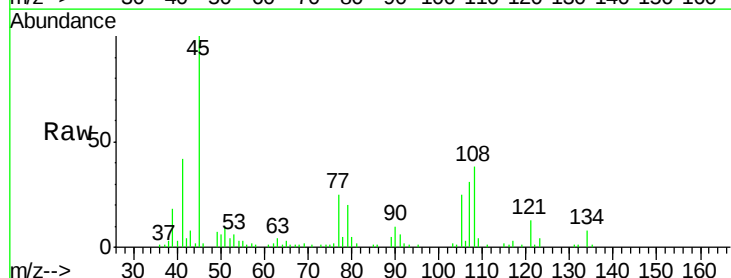
Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

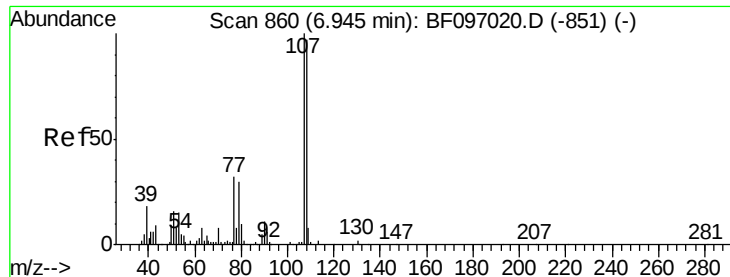
Tot Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	33.2
79	15.0	0.0	30.0



#17
2-Methylphenol
Concen: 2.77 ng
RT: 6.78 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	121.9	93.4	140.0
77	79.9	35.8	53.6#
79	66.5	34.8	52.2#





#20

3+4-Methylphenols

Concen: 2.22 ng

RT: 6.94 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

Tot Ion:107 Resp: 18045

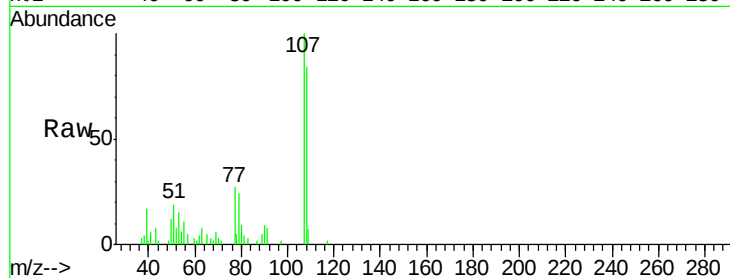
Ion Ratio Lower Upper

107 100

108 84.3 71.0 111.0

77 27.2 90.5 130.5#

79 23.6 8.4 48.4

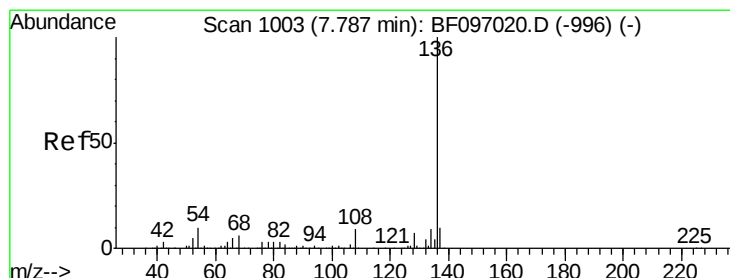
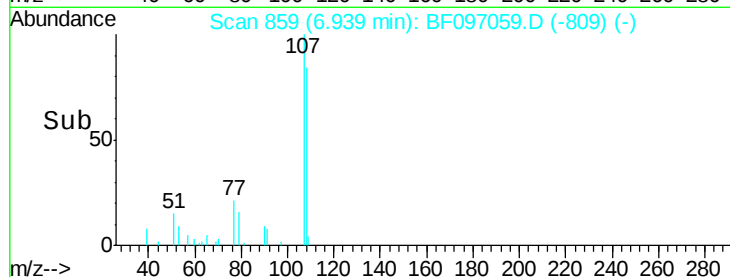
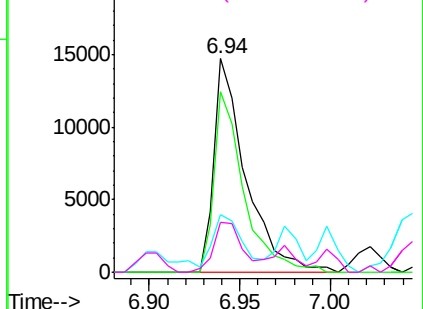


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Tgt Ion:136 Resp: 428893

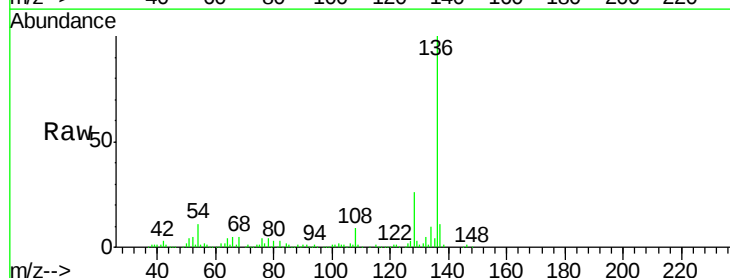
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.8 4.9 7.3#

68 5.0 4.1 6.1

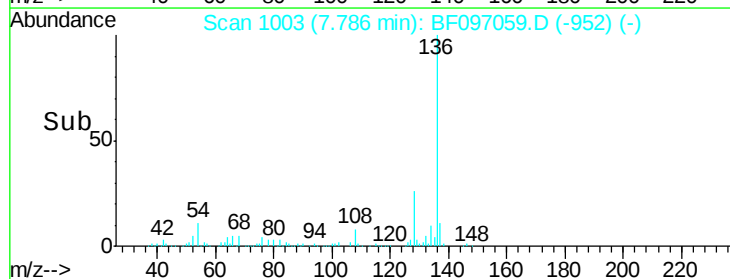
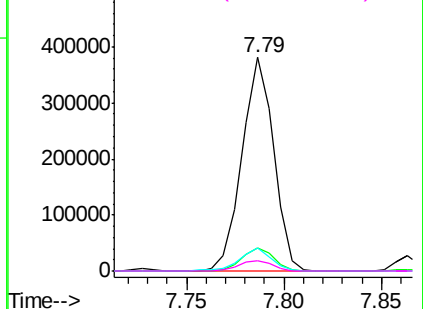


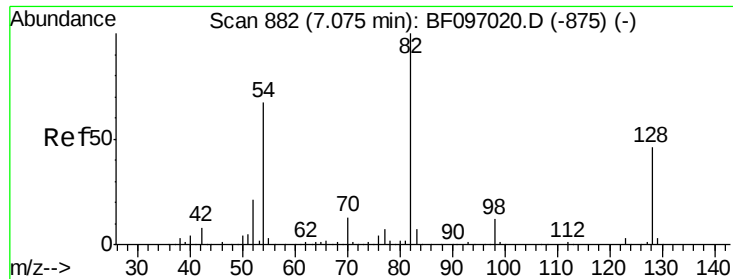
Abundance Ion 136.00 (135.70 to 136.70): E

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

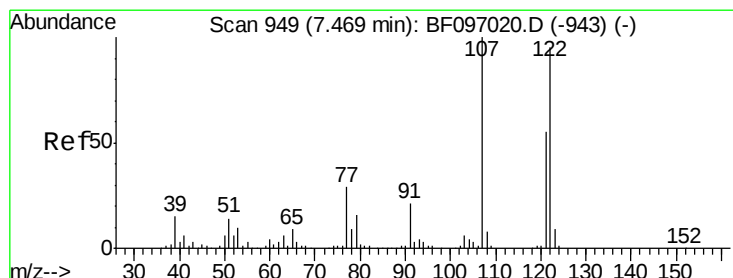
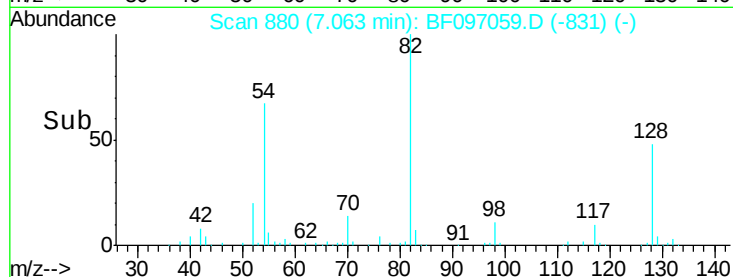
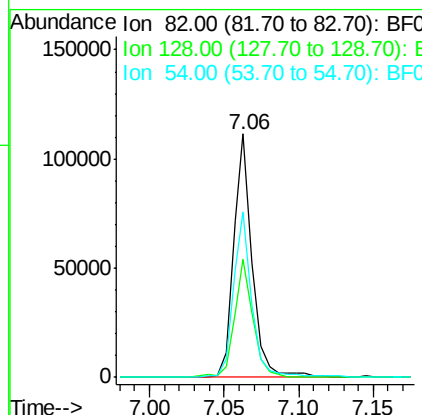
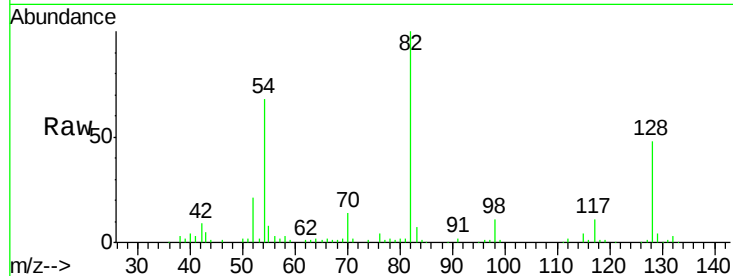




#23
 Nitrobenzene-d5
 Concen: 13.36 ng
 RT: 7.06 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

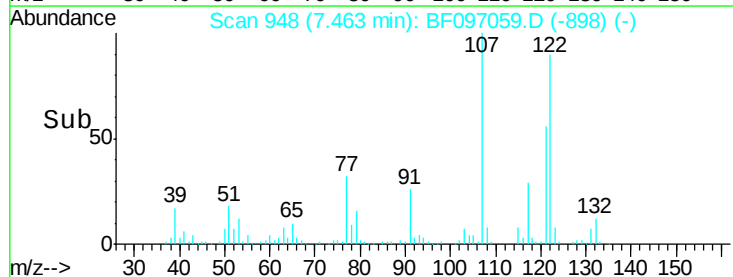
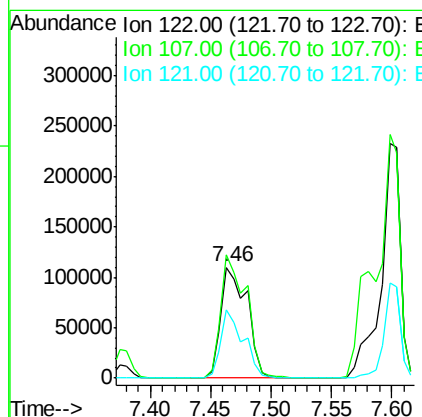
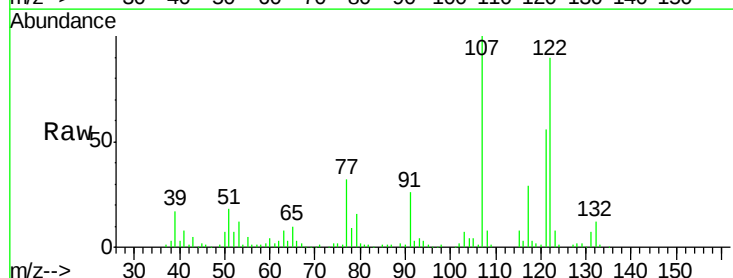
Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

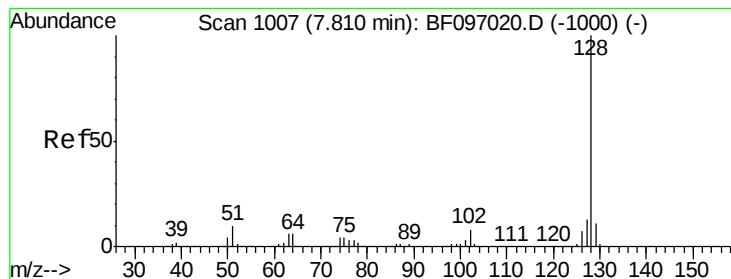
Tot Ion	82	Resp	97677
Ion Ratio	Lower	Upper	
82	100		
128	48.5	34.0	51.0
54	67.9	42.2	63.2#



#27
 2,4-Dimethylphenol
 Concen: 24.54 ng
 RT: 7.46 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion	122	Resp	166739
Ion Ratio	Lower	Upper	
122	100		
107	110.5	89.2	133.8
121	61.6	45.2	67.8





#31

Naphthalene

Concen: 149.43 ng

RT: 7.82 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampled :

E2-N7-BASE

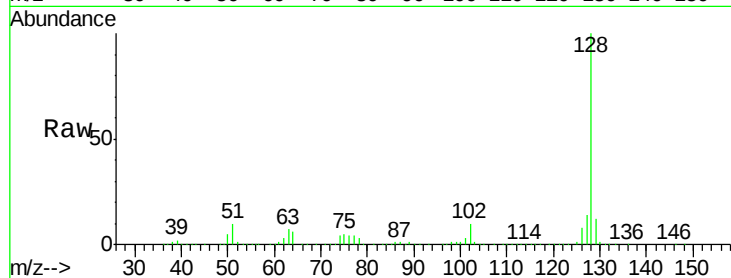
Tot Ion:128 Resp: 3021105

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

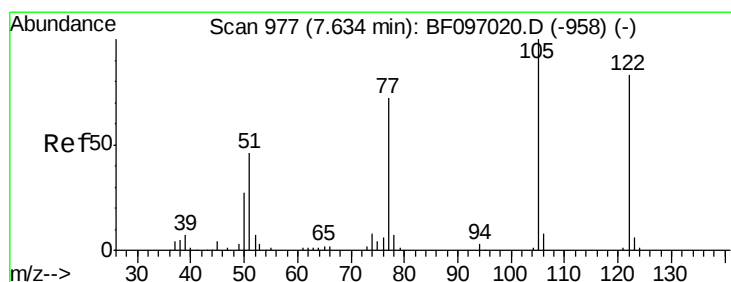
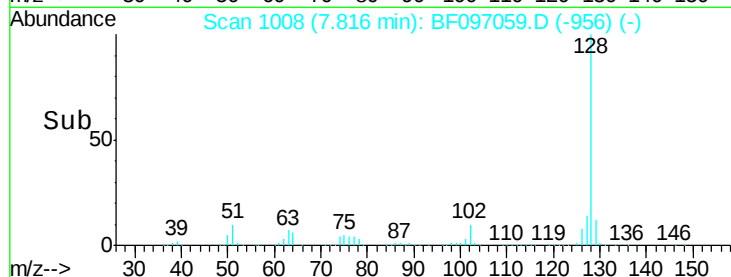
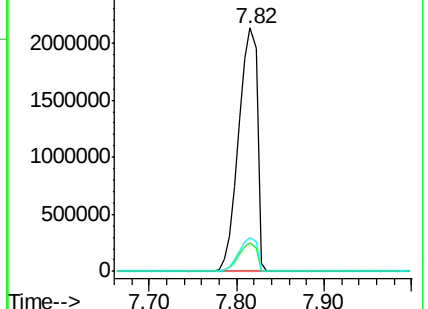
127 14.0 10.8 16.2



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: 11.63 ng

RT: 7.66 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

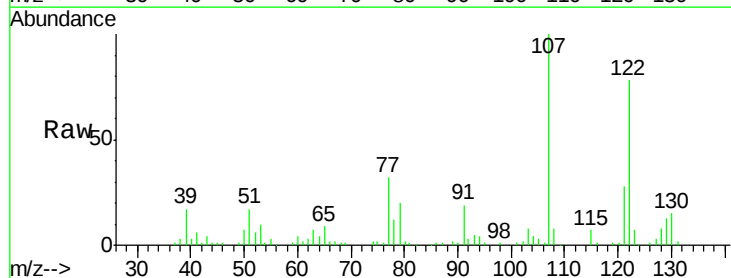
Tgt Ion:122 Resp: 59000

Ion Ratio Lower Upper

122 100

105 3.4 103.3 143.3#

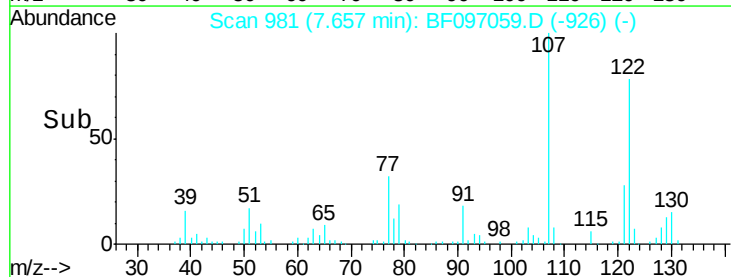
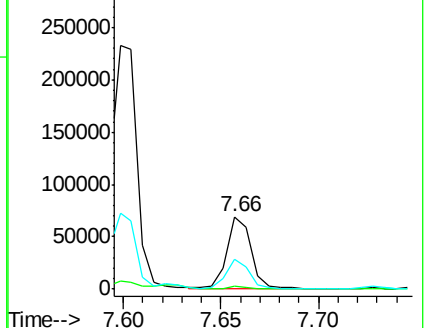
77 41.1 73.7 113.7#

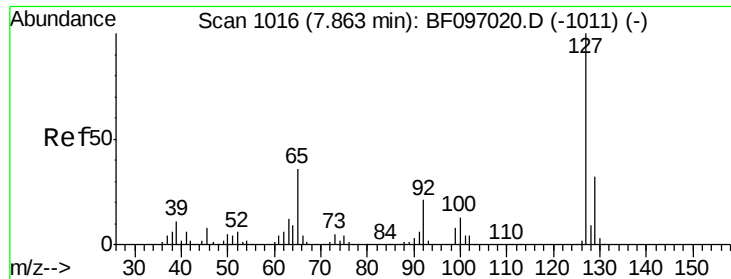


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

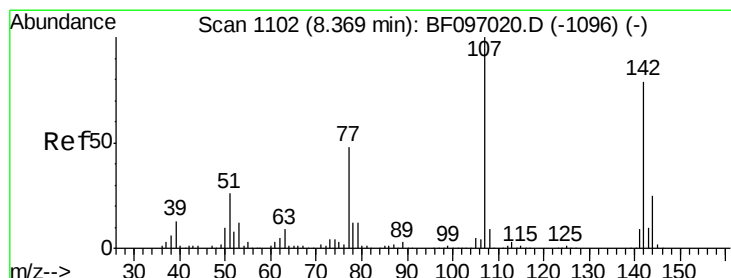
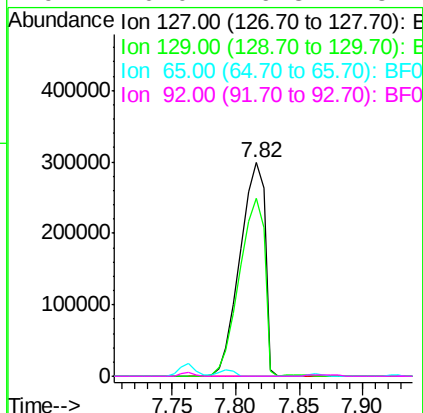
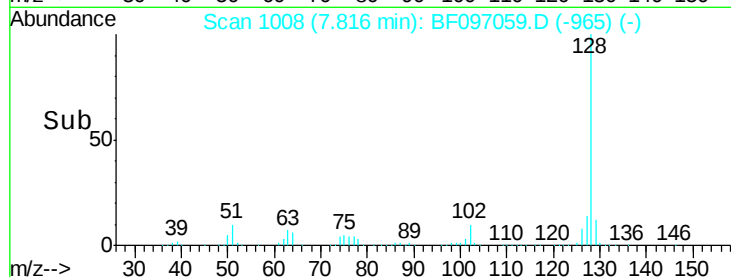
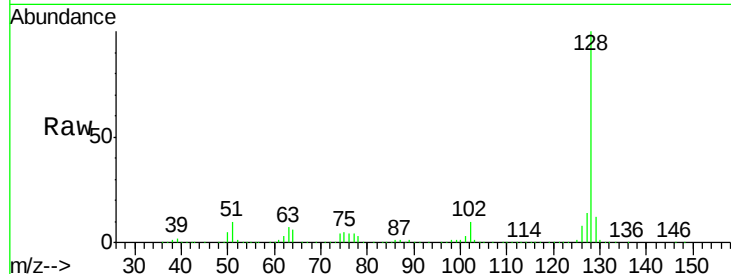




#33
4-Chloroaniline
Concen: 49.89 ng
RT: 7.82 min Scan# 1008
Delta R.T. -0.05 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

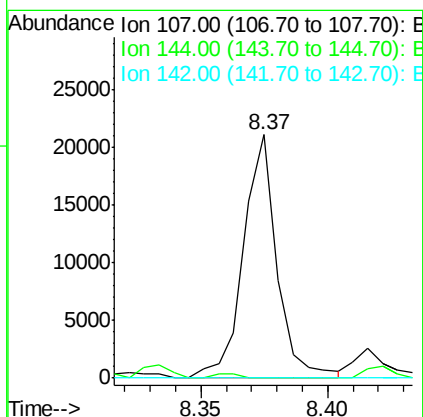
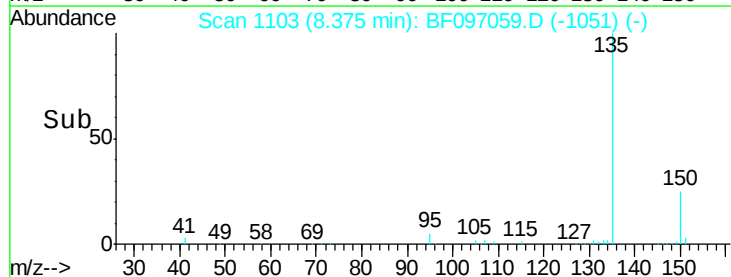
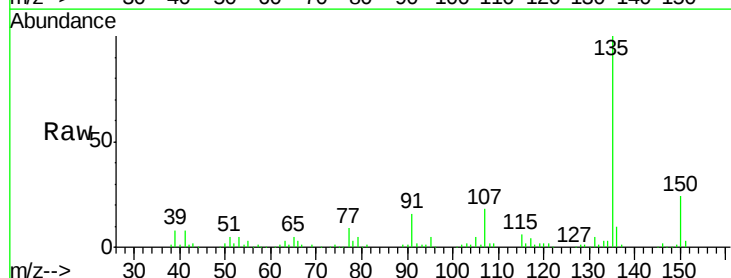
Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

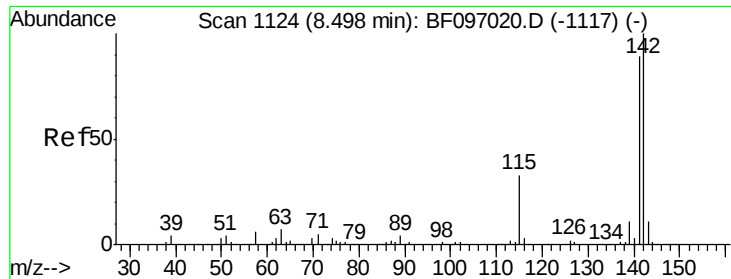
Tot Ion:	127	Resp:	410389
Ion	Ratio	Lower	Upper
127	100		
129	83.3	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#36
4-Chloro-3-methylphenol
Concen: 3.04 ng
RT: 8.37 min Scan# 1103
Delta R.T. 0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:	107	Resp:	19423
Ion	Ratio	Lower	Upper
107	100		
144	0.0	24.2	36.4#
142	0.0	73.4	110.0#

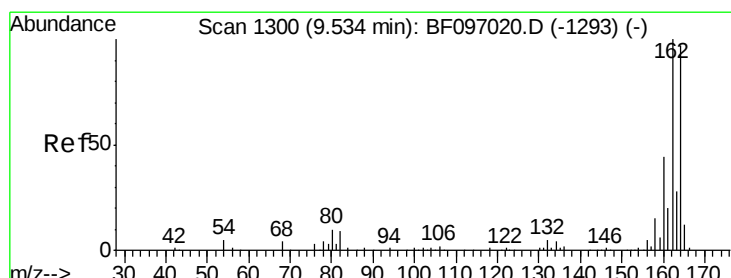
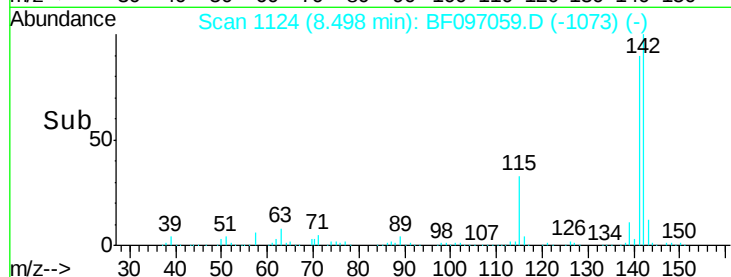
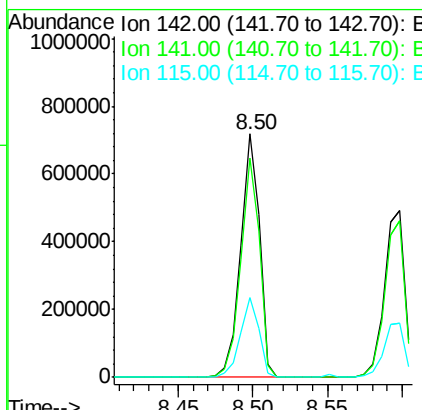
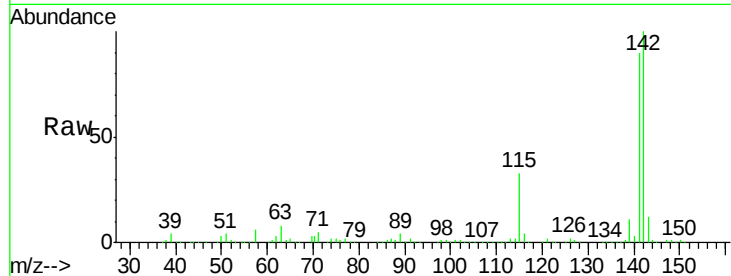




#37
2-Methylnaphthalene
Concen: 49.62 ng
RT: 8.50 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

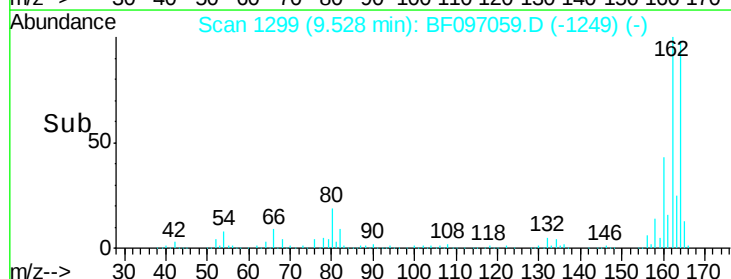
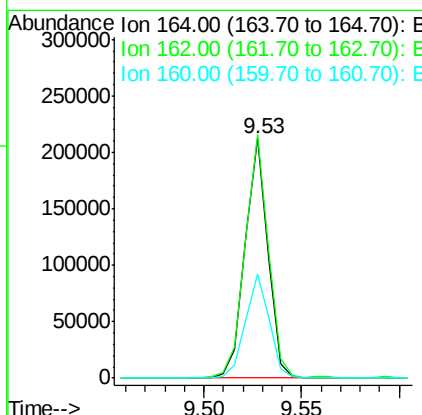
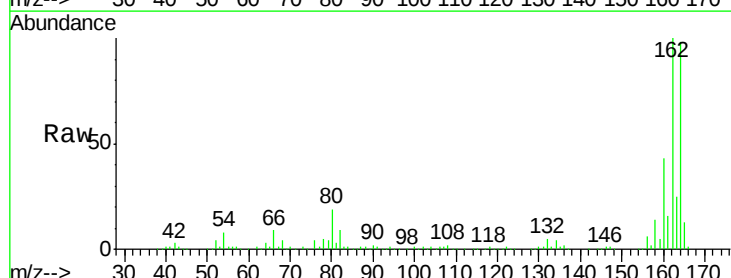
Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

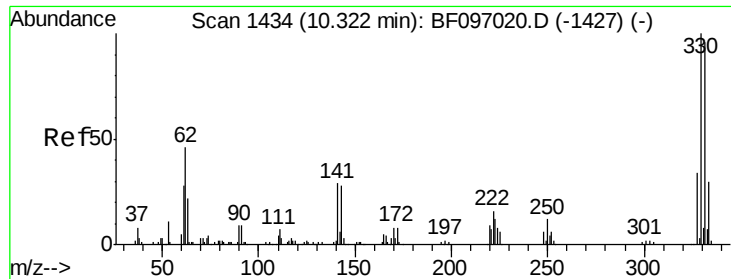
Tot Ion:142 Resp: 635170
Ion Ratio Lower Upper
142 100
141 90.0 71.3 106.9
115 32.9 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:164 Resp: 171363
Ion Ratio Lower Upper
164 100
162 101.6 82.6 123.8
160 43.5 36.2 54.2

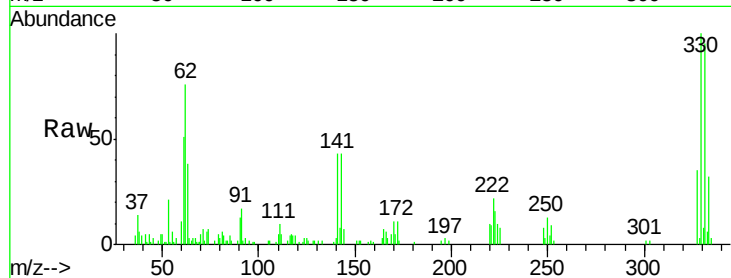




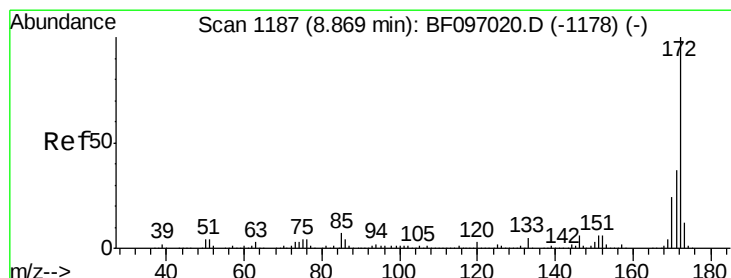
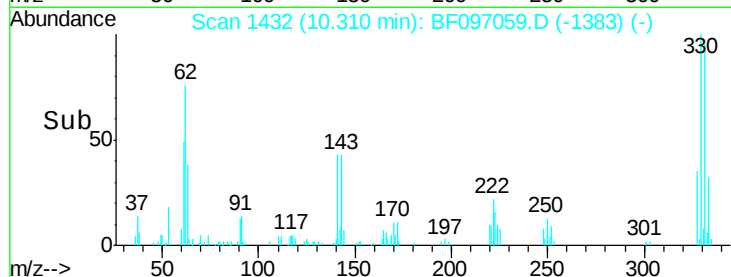
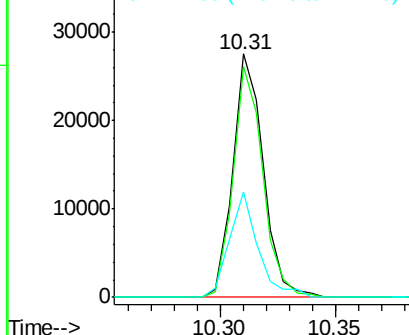
#41
 2,4,6-Tribromophenol
 Concen: 18.67 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Tot Ion:330 Resp: 25276
 Ion Ratio Lower Upper
 330 100
 332 92.7 76.6 115.0
 141 40.9 31.4 47.2

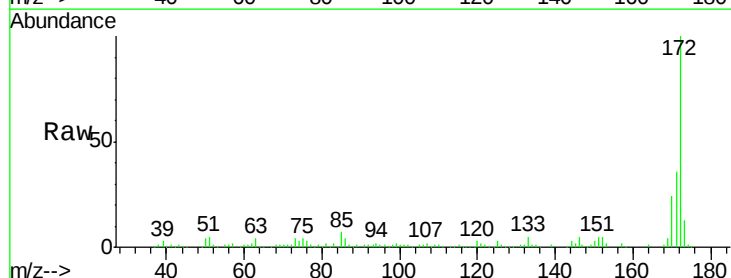


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

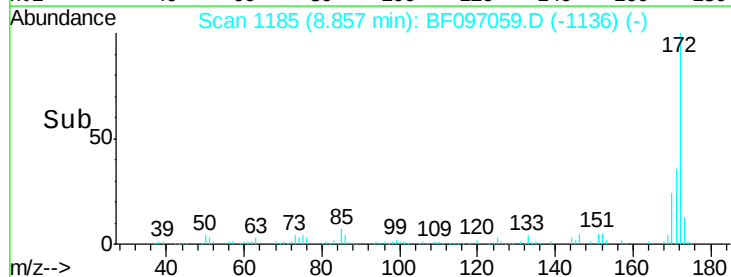
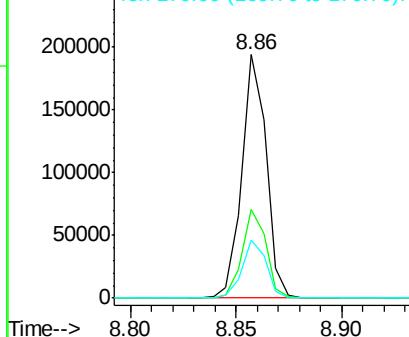


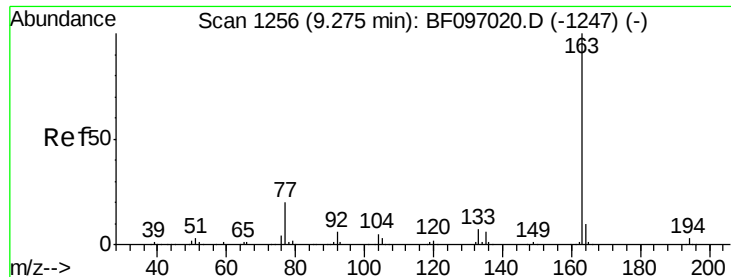
#44
 2-Fluorobiphenyl
 Concen: 15.35 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion:172 Resp: 155020
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.0 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

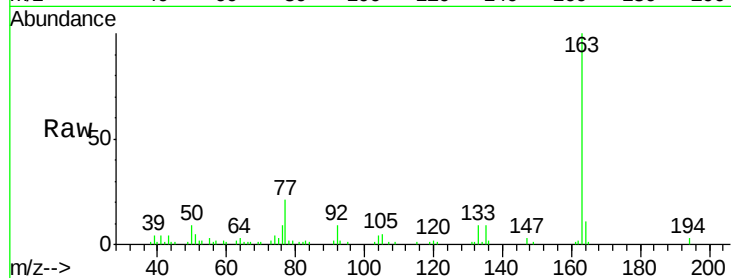




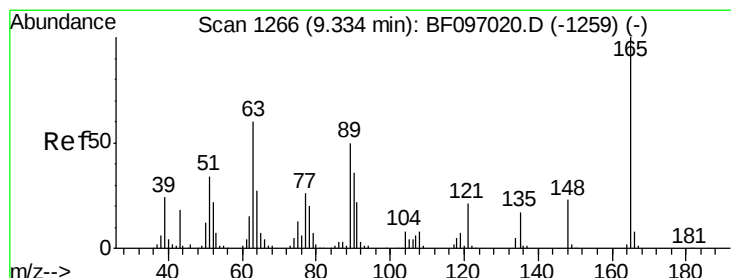
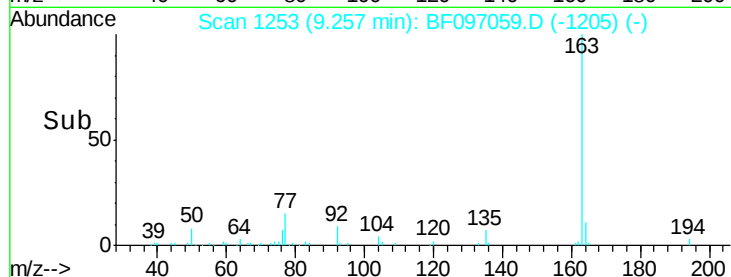
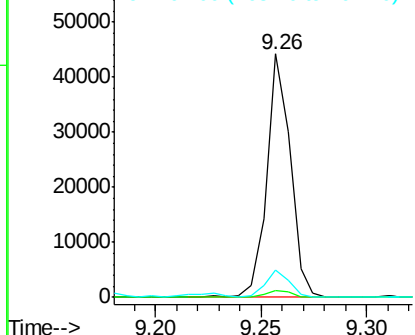
#49
Dimethylphthalate
Concen: 2.63 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion:163 Resp: 34254
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 11.0 8.4 12.6

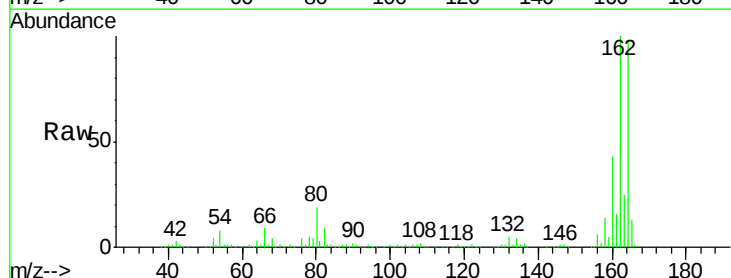


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

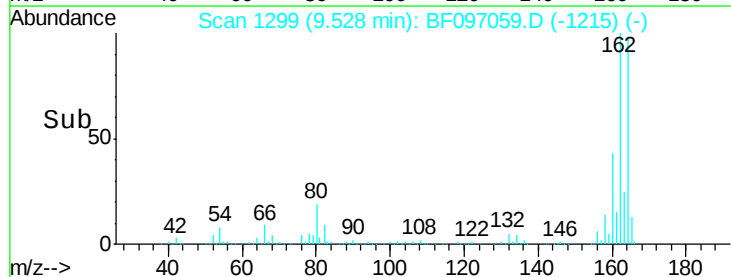
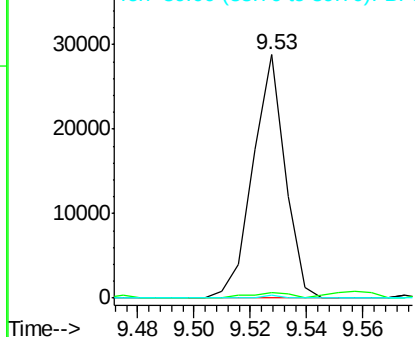


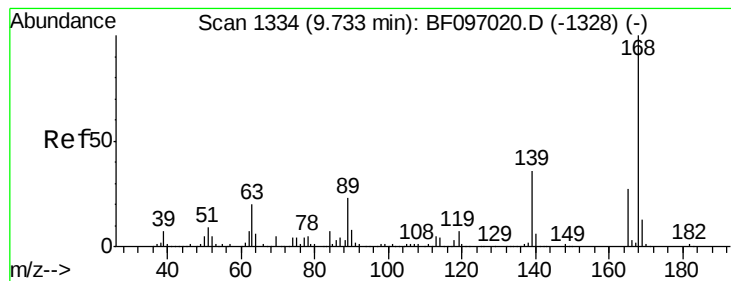
#50
2,6-Dinitrotoluene
Concen: 8.26 ng
RT: 9.53 min Scan# 1299
Delta R.T. 0.19 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:165 Resp: 22804
Ion Ratio Lower Upper
165 100
63 2.4 34.3 51.5#
89 1.5 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





#56

2,4-Dinitrotoluene

Concen: 7.19 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

Tot Ion:165 Resp: 22804

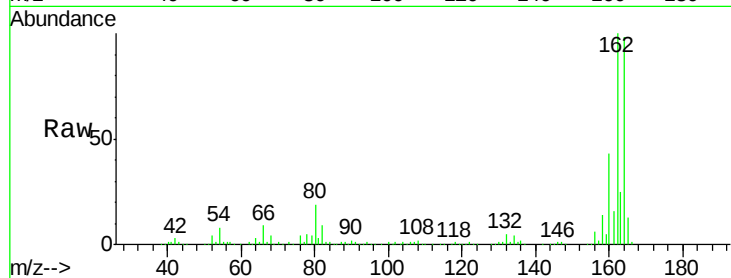
Ion Ratio Lower Upper

165 100

63 2.4 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

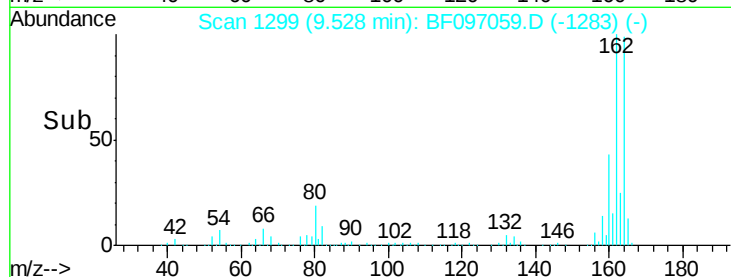


Abundance Ion 165.00 (164.70 to 165.70): E

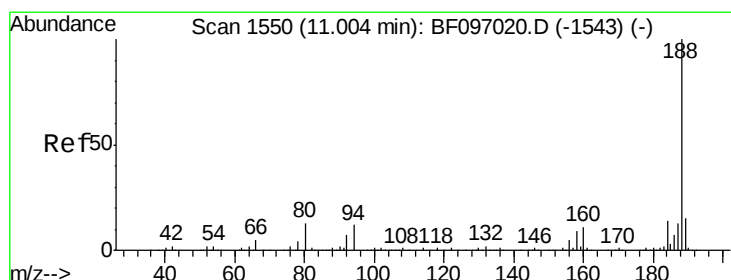
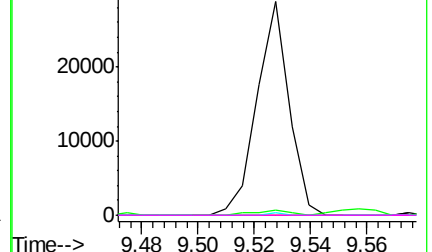
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

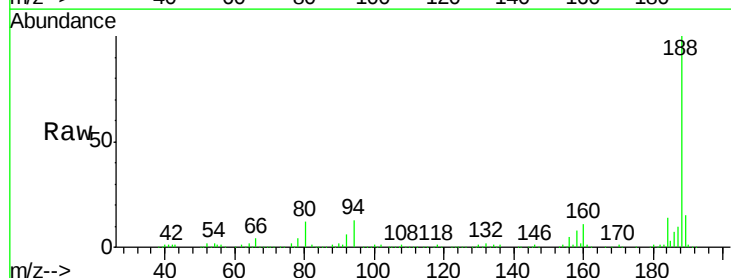
Tgt Ion:188 Resp: 249704

Ion Ratio Lower Upper

188 100

94 12.5 9.4 14.2

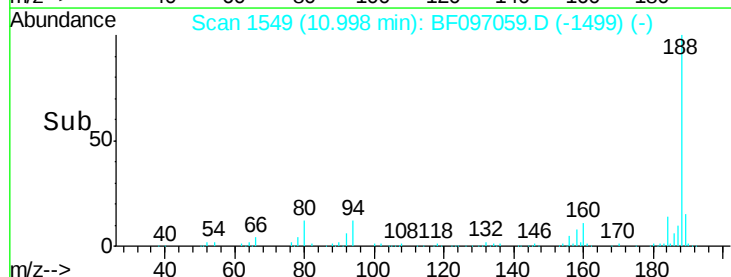
80 12.2 10.2 15.2



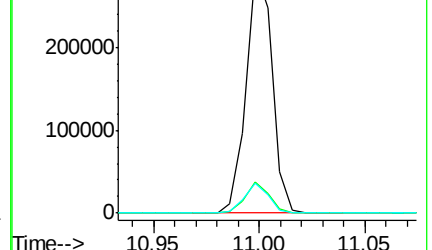
Abundance Ion 188.00 (187.70 to 188.70): E

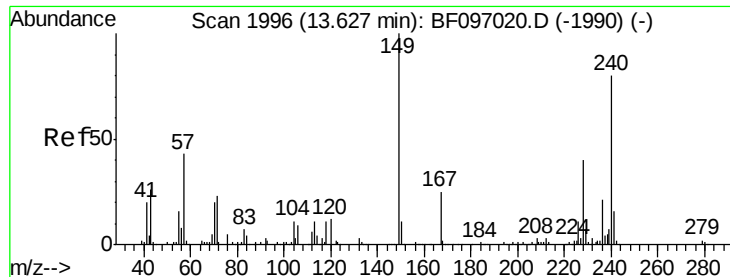
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

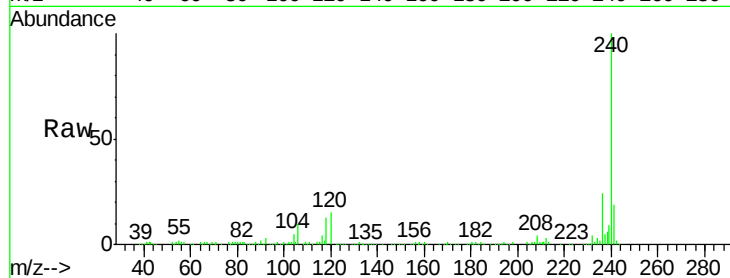
Tot Ion:240 Resp: 201280

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

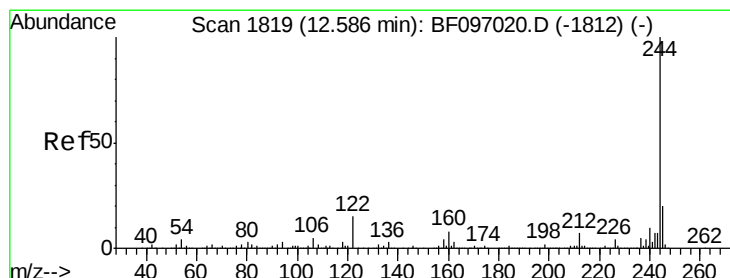
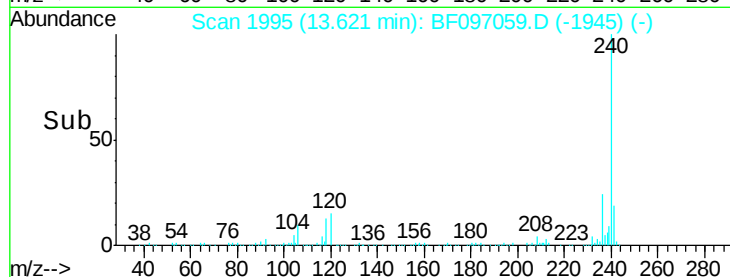
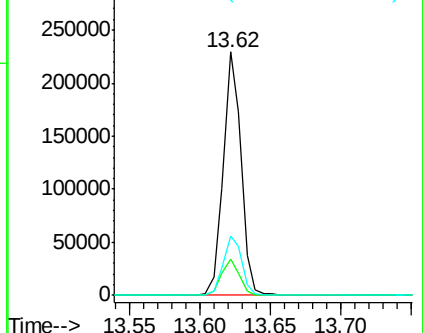
236 24.5 20.5 30.7



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: 7.97 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

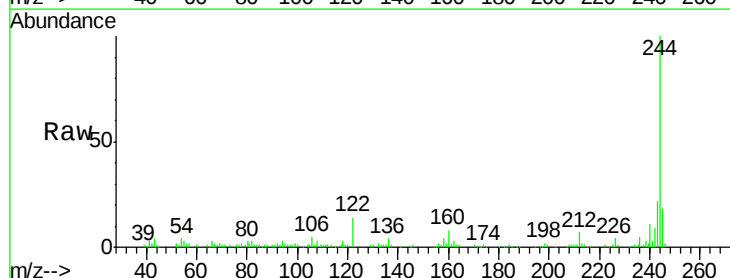
Tgt Ion:244 Resp: 78679

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

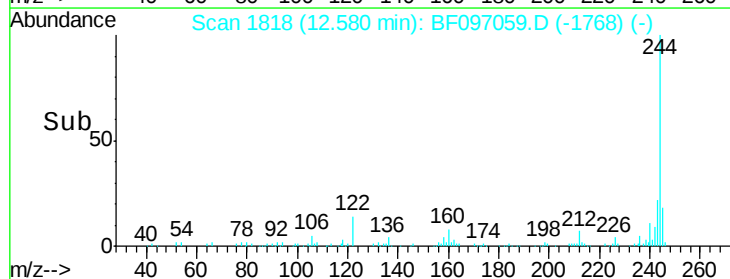
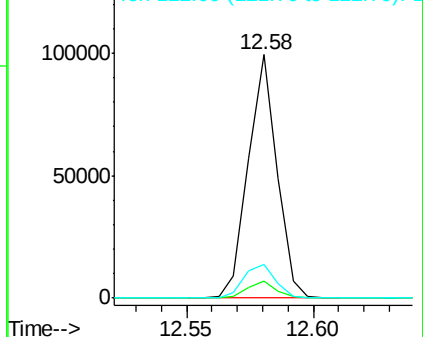
122 13.7 10.3 15.5

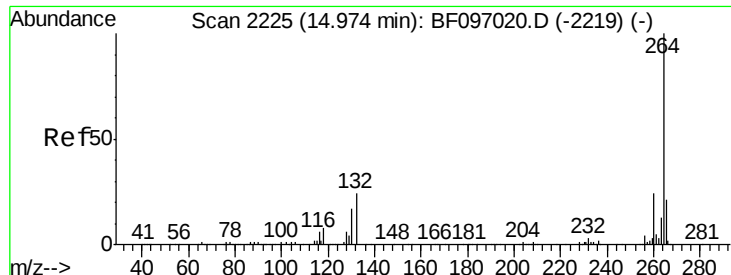


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

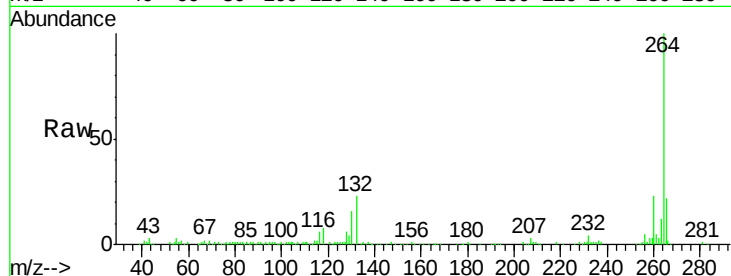




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	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

