

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097776.D
 Acq On : 17 Aug 2017 9:10
 Operator : SJ/JU
 Sample : I4773-02 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 14:55:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	152642	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	511734	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	224630	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	322616	20.00	ng	0.00
75) Chrysene-d12	13.94	240	282484	20.00	ng	0.00
86) Perylene-d12	15.37	264	262252	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	93602	9.33	ng	-0.01
7) Phenol-d6	6.40	99	128967	9.46	ng	-0.01
23) Nitrobenzene-d5	7.34	82	77912	8.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	14016	7.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	111448	7.29	ng	0.00
78) Terphenyl-d14	12.89	244	57484	4.24	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.34	77	20564	2.381	ng	# 1
12) 1,3-Dichlorobenzene	6.72	146	211407	18.571	ng	# 94
13) 1,4-Dichlorobenzene	6.80	146	699847	60.447	ng	# 95
14) 1,2-Dichlorobenzene	6.96	146	1120868	104.995	ng	# 98
16) 2,2'-oxybis(1-Chloropropan	7.27	45	78930	4.874	ng	# 1
18) Hexachloroethane	7.27	117	13360	2.943	ng	# 1
22) Acetophenone	7.18	105	85003	6.288	ng	# 47
26) 2-Nitrophenol	7.69	139	1899	5.703	ng	# 1
30) 1,2,4-Trichlorobenzene	8.02	180	268555	35.725	ng	# 99
31) Naphthalene	8.11	128	6768628	254.779	ng	# 97
32) Benzoic acid	7.86	122	5881	7.261	ng	# 1
33) 4-Chloroaniline	8.11	127	988622	88.237	ng	# 33
35) Caprolactam	8.54	113	4942	2.144	ng	# 1
37) 2-Methylnaphthalene	8.90	142	2777573	170.531	ng	# 95
45) 1,1'-Biphenyl	9.25	154	1140550	55.680	ng	# 97
47) 2-Nitroaniline	9.35	65	14952	2.947	ng	# 47
48) Acenaphthylene	9.69	152	130590	5.494	ng	# 46
51) Acenaphthene	9.87	154	1343348	89.616	ng	# 97
52) 3-Nitroaniline	9.78	138	11390	2.694	ng	# 20
53) 2,4-Dinitrophenol	9.88	184	1638	11.059	ng	# 1
54) Dibenzofuran	10.04	168	1105456	55.025	ng	# 93
55) 4-Nitrophenol	10.07	139	35679	10.577	ng	# 84
56) 2,4-Dinitrotoluene	10.01	165	9324	2.267	ng	# 76
57) Fluorene	10.38	166	1219575	78.518	ng	# 96
61) 4-Nitroaniline	10.29	138	14031	3.491	ng	# 91
64) 4,6-Dinitro-2-methylphenol	10.41	198	3513	10.231	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	258850	23.562	ng	# 65
70) Phenanthrene	11.35	178	3075114	178.876	ng	# 99
71) Anthracene	11.39	178	712063	40.837	ng	# 98
72) Carbazole	11.54	167	170806	10.320	ng	# 90
74) Fluoranthene	12.53	202	1482925	82.643	ng	# 99
77) Pyrene	12.76	202	1323947	57.304	ng	# 98
80) Benzo(a)anthracene	13.93	228	436785	25.799	ng	# 93
82) Chrysene	13.97	228	355429	21.104	ng	# 97

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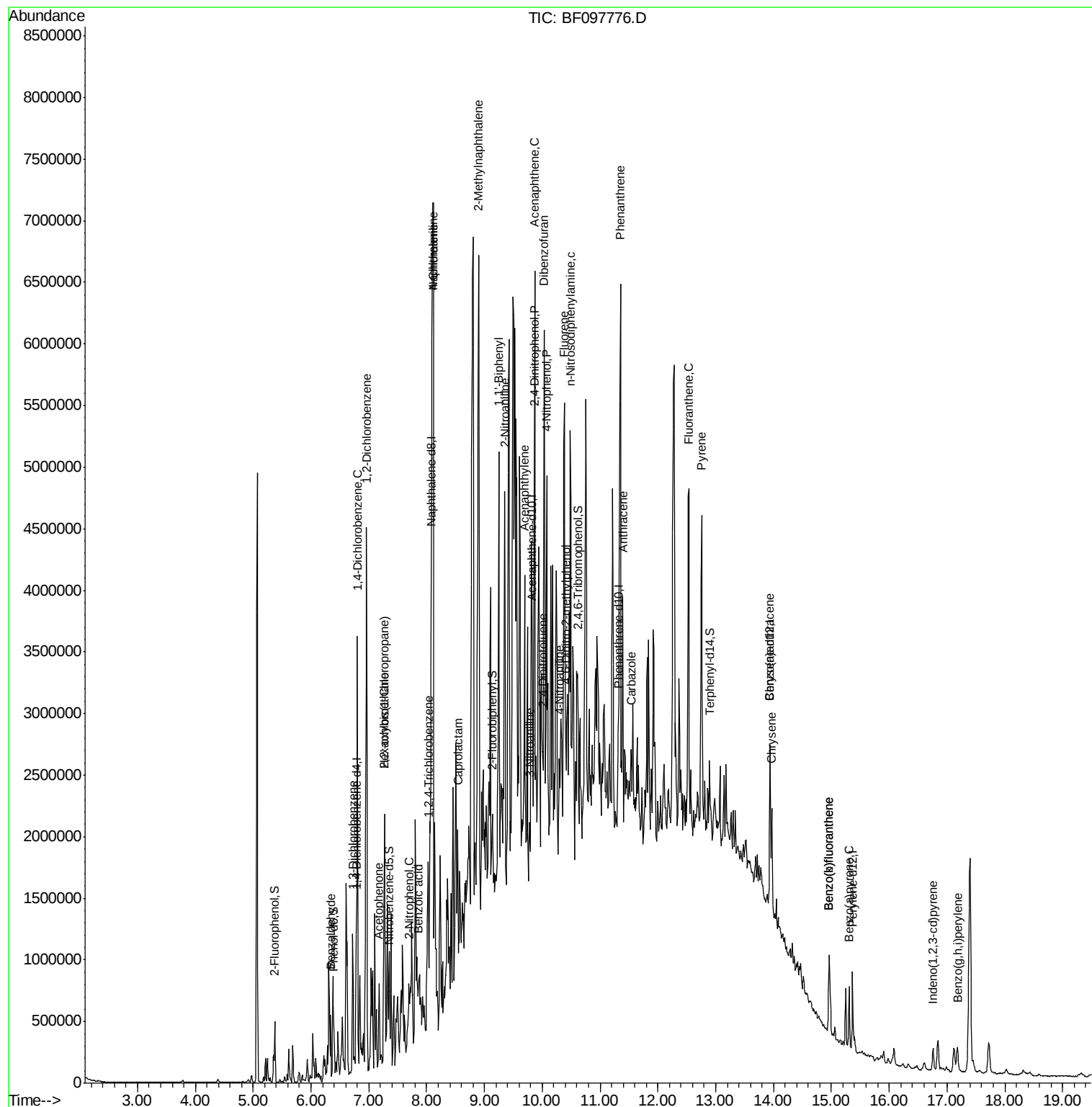
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	16.76	276	113080	9.127	ng	# 91
87) Benzo(b)fluoranthene	14.96	252	480250	29.052	ng	98
88) Benzo(k)fluoranthene	14.96	252	480250	30.923	ng	97
89) Benzo(a)pyrene	15.31	252	200869	13.726	ng	99
91) Benzo(g,h,i)perylene	17.18	276	153771	12.370	ng	92

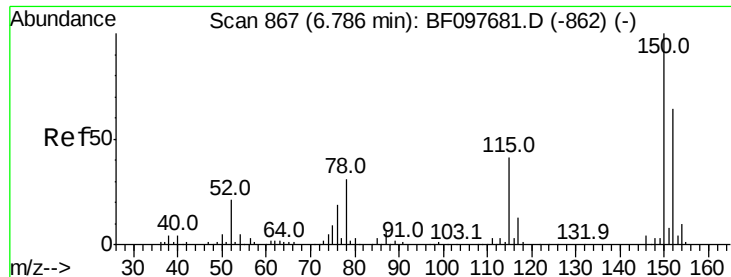
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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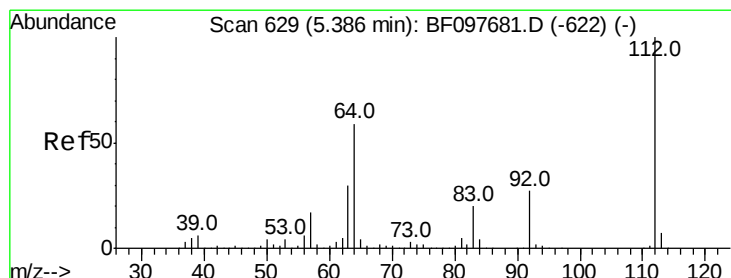
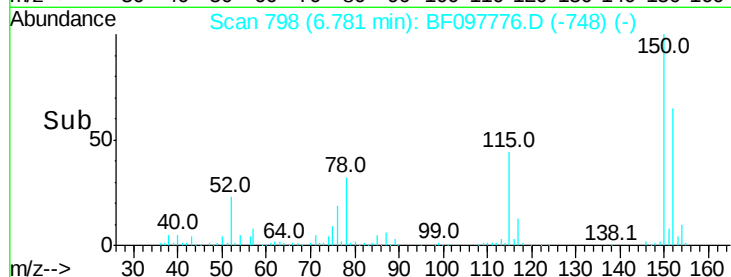
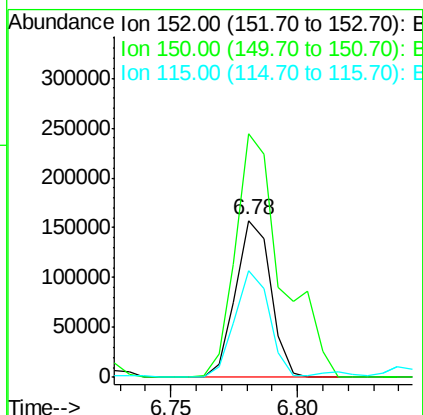
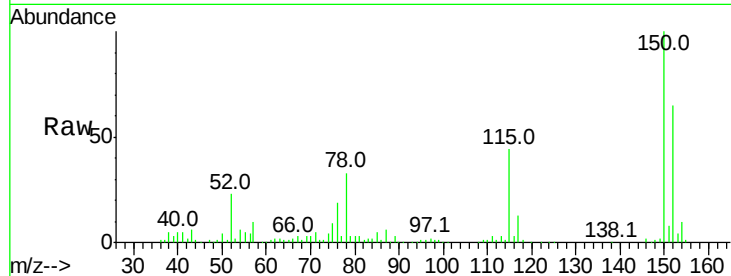


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Instrument :
BNA_F
ClientSampleId :

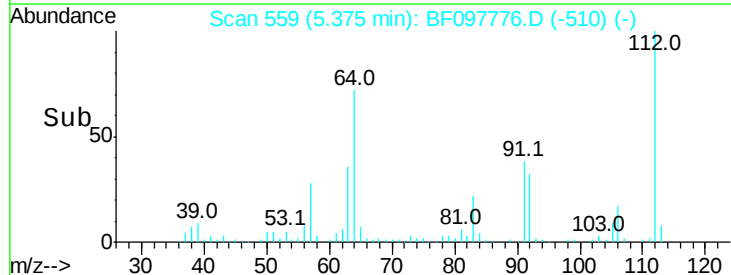
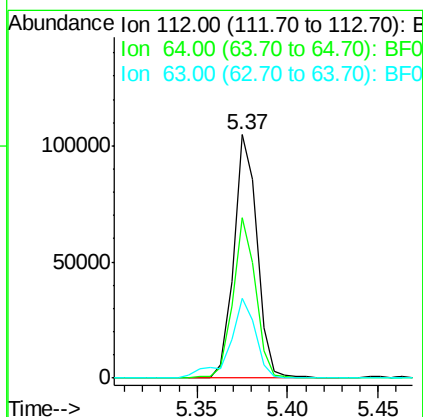
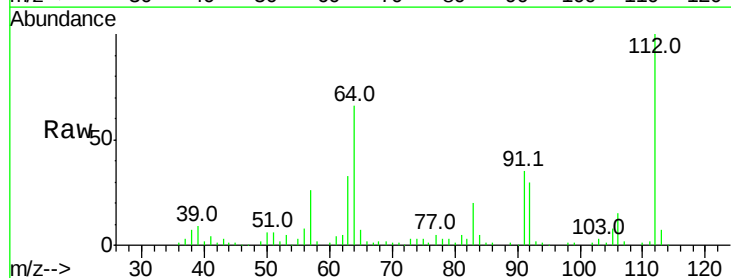
Tot Ion:152 Resp: 152642
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.2
115 68.1 52.2 78.2

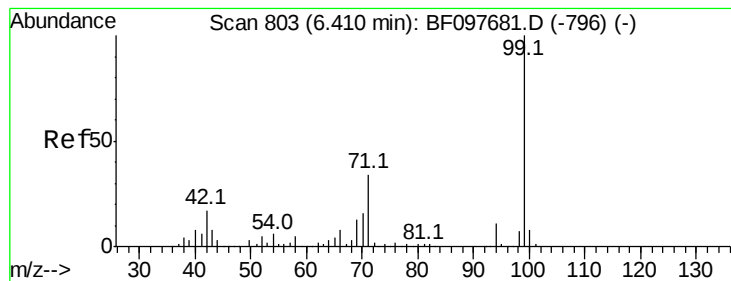


#5

2-Fluorophenol
Concen: 9.327 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:112 Resp: 93602
Ion Ratio Lower Upper
112 100
64 65.8 46.0 69.0
63 33.0 23.4 35.0





#7

Phenol-d6

Concen: 9.459 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

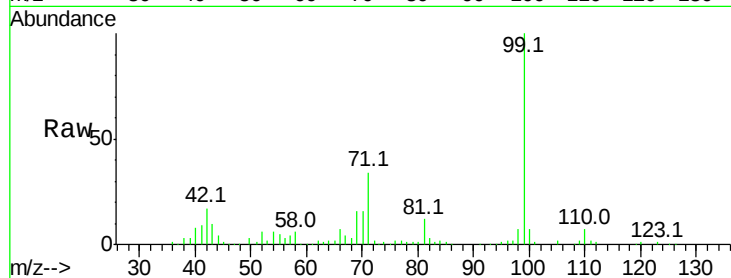
Tot Ion: 99 Resp: 128967

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

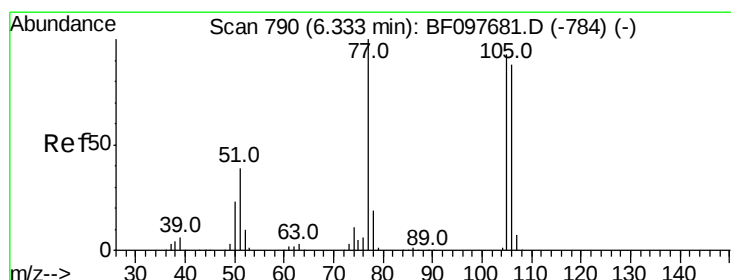
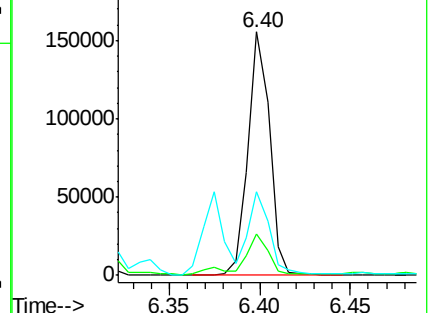
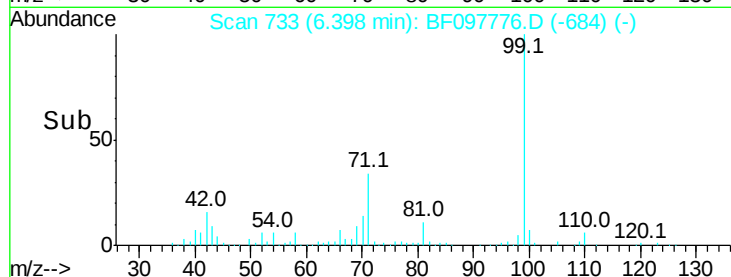
71 34.4 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.381 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

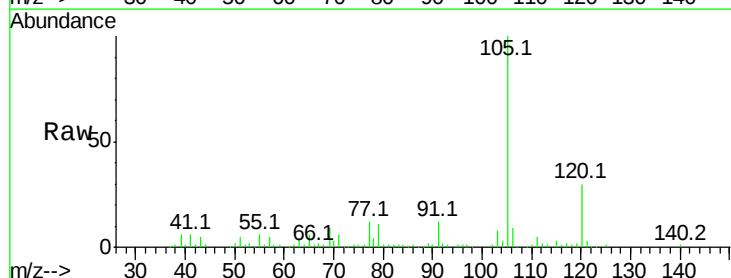
Tgt Ion: 77 Resp: 20564

Ion Ratio Lower Upper

77 100

105 814.0 83.8 123.8#

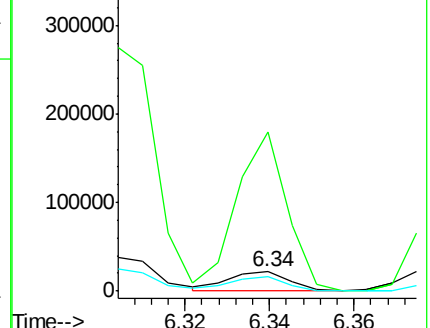
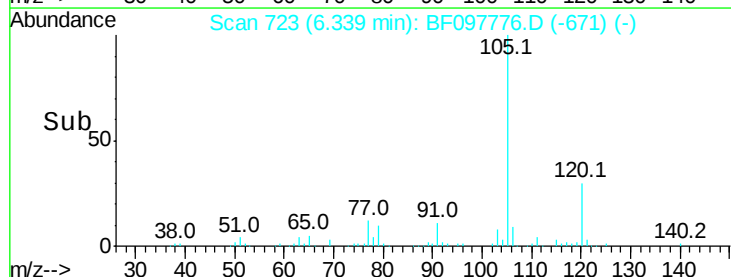
106 72.5 79.1 119.1#

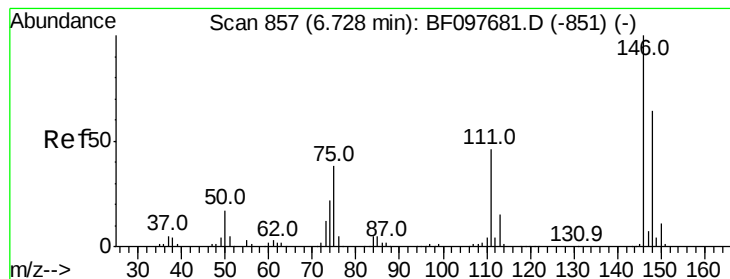


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#12

1,3-Dichlorobenzene

Concen: 18.571 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

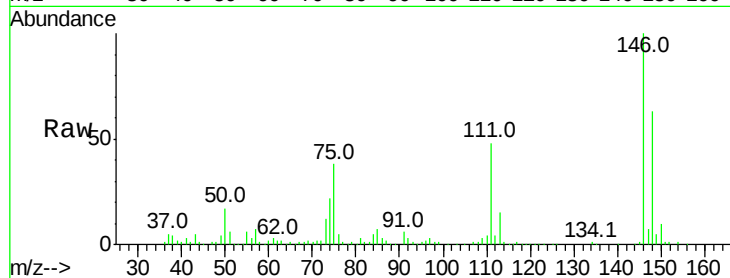
Tot Ion:146 Resp: 211407

Ion Ratio Lower Upper

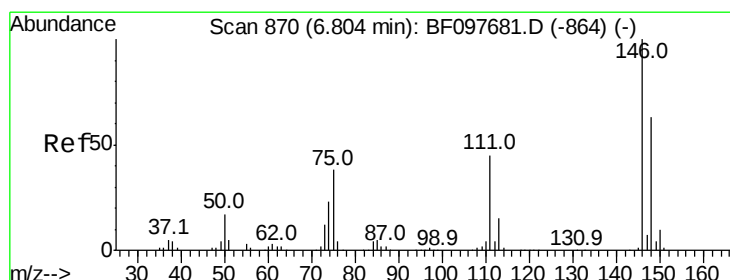
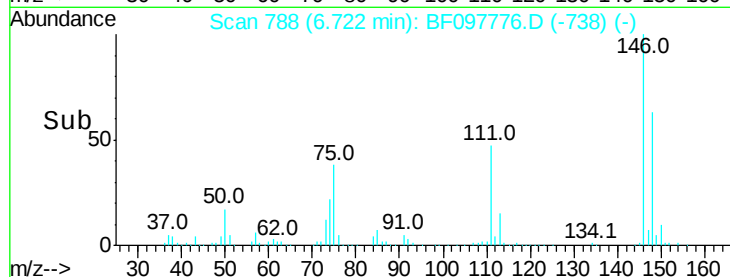
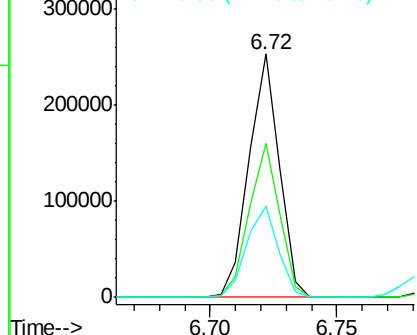
146 100

148 63.2 51.8 77.6

75 37.5 23.1 34.7#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BFO



#13

1,4-Dichlorobenzene

Concen: 60.447 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

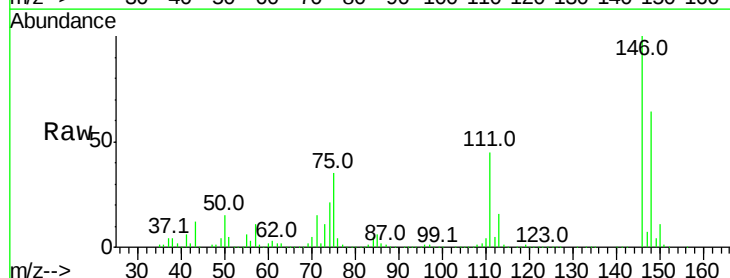
Tgt Ion:146 Resp: 699847

Ion Ratio Lower Upper

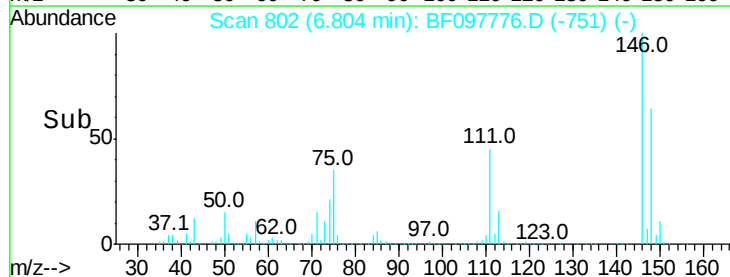
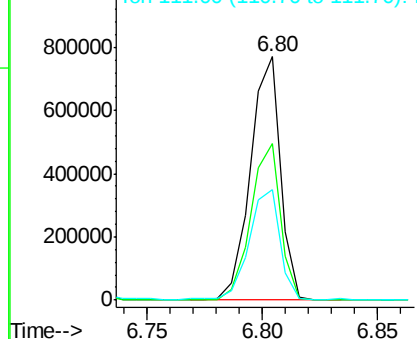
146 100

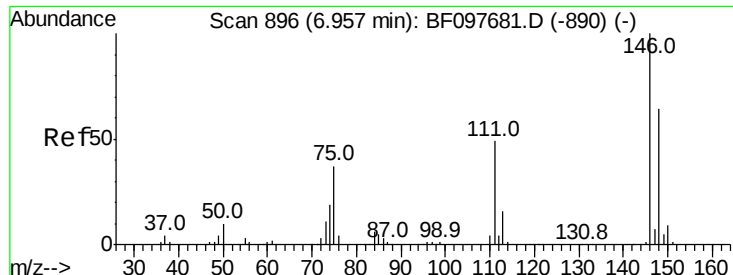
148 64.5 52.2 78.2

111 45.2 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

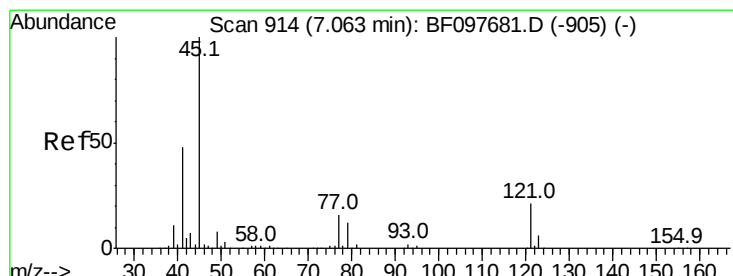
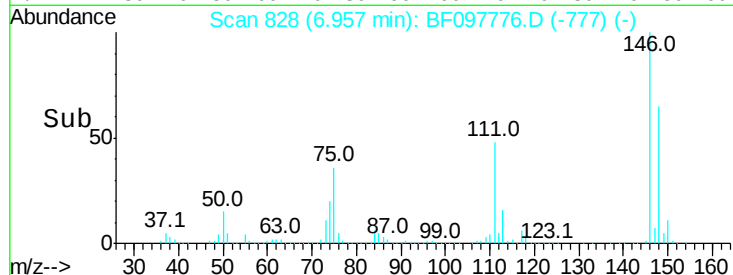
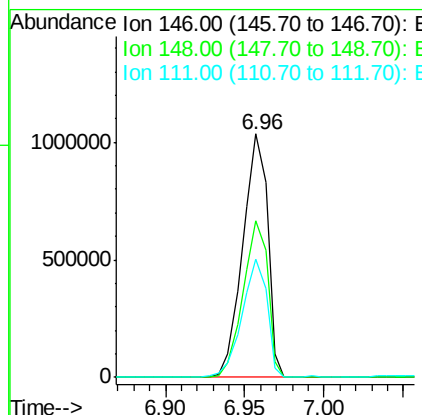
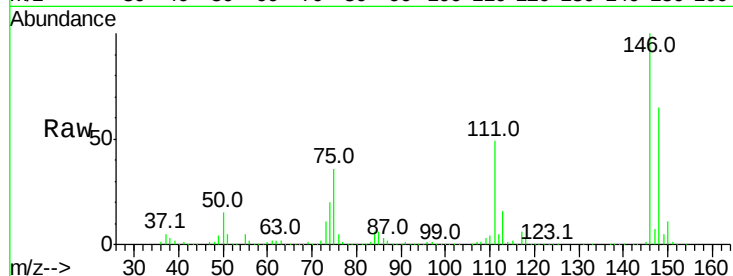




#14
 1,2-Dichlorobenzene
 Concen: 104.995 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

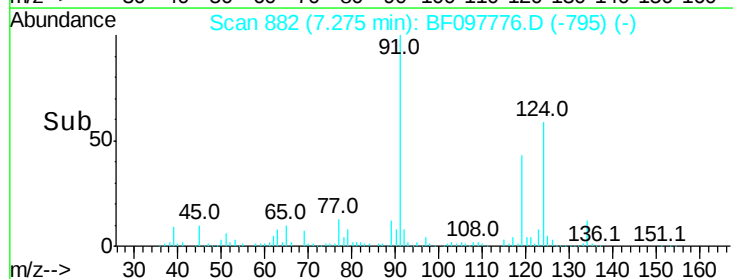
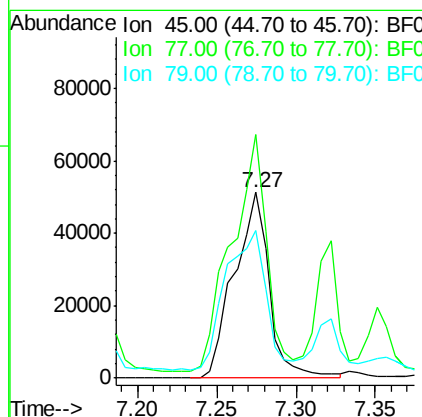
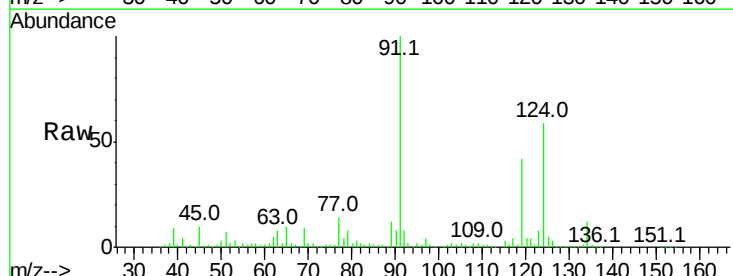
Instrument :
 BNA_F
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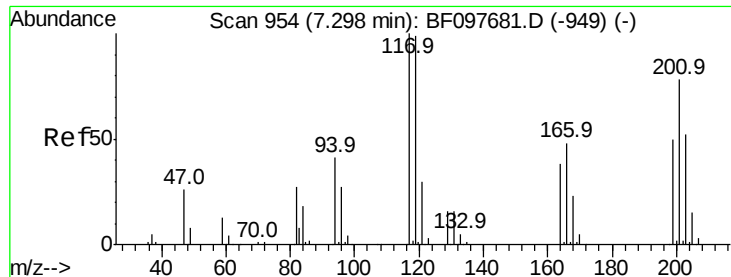
Tot Ion:146 Resp: 1120868
 Ion Ratio Lower Upper
 146 100
 148 64.5 50.4 75.6
 111 48.5 38.2 57.4



#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 4.874 ng
 RT: 7.27 min Scan# 882
 Delta R.T. 0.21 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Tgt Ion: 45 Resp: 78930
 Ion Ratio Lower Upper
 45 100
 77 131.3 0.0 33.2#
 79 79.6 0.0 30.0#





#18

Hexachloroethane

Concen: 2.943 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

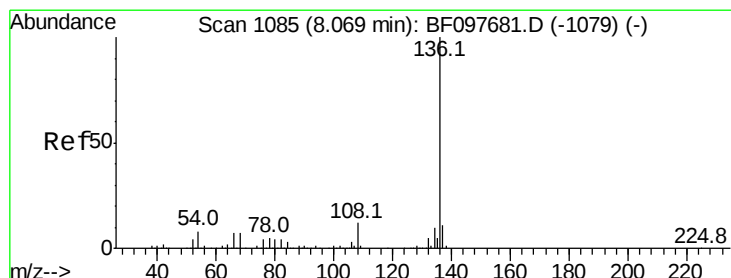
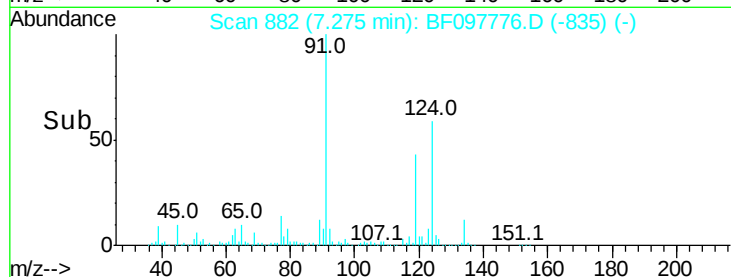
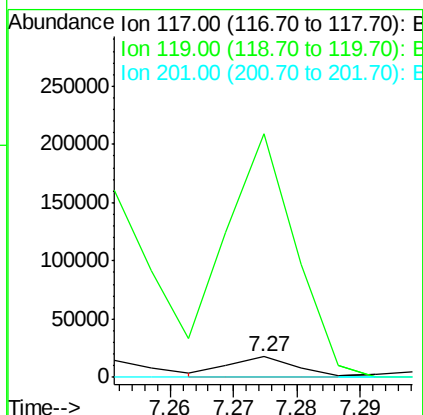
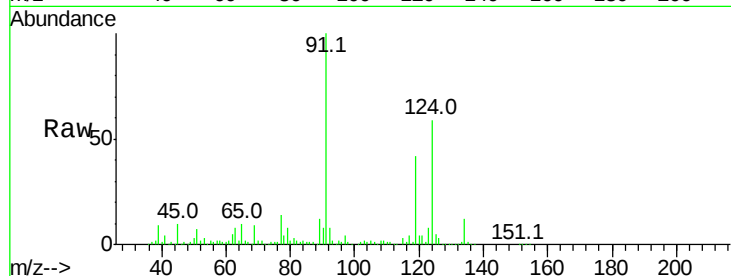
Tot Ion:117 Resp: 13360

Ion Ratio Lower Upper

117 100

119 1170.1 77.4 116.0#

201 0.0 94.6 141.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Tgt Ion:136 Resp: 511734

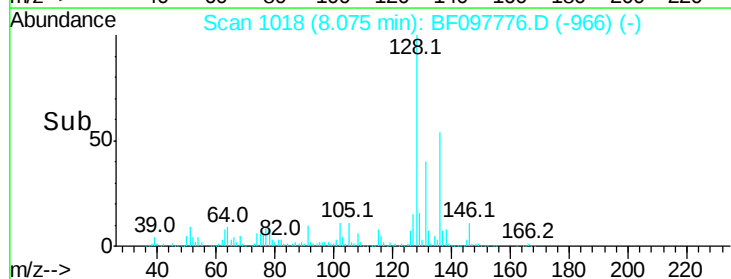
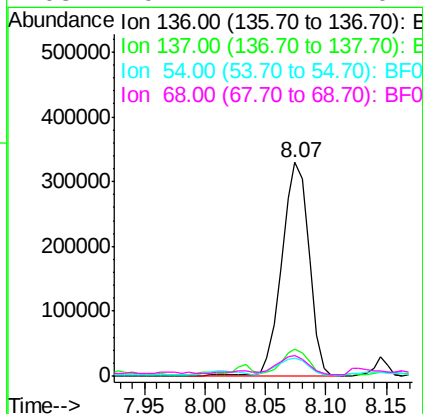
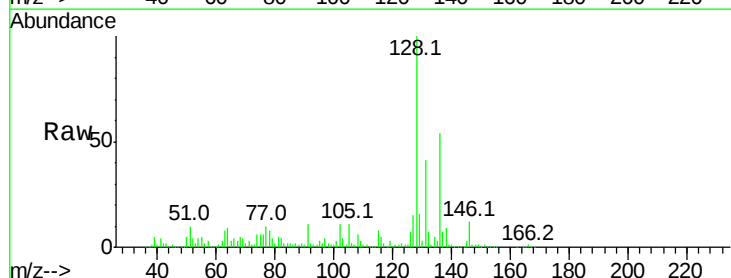
Ion Ratio Lower Upper

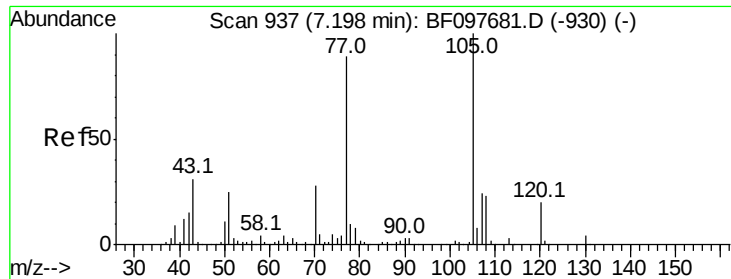
136 100

137 12.8 8.5 12.7#

54 8.3 4.9 7.3#

68 9.4 4.1 6.1#





#22

Acetophenone

Concen: 6.288 ng

RT: 7.18 min Scan# 866

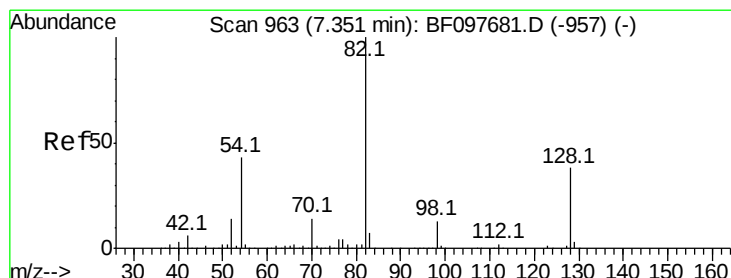
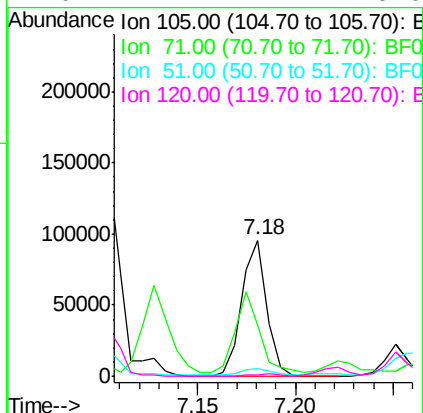
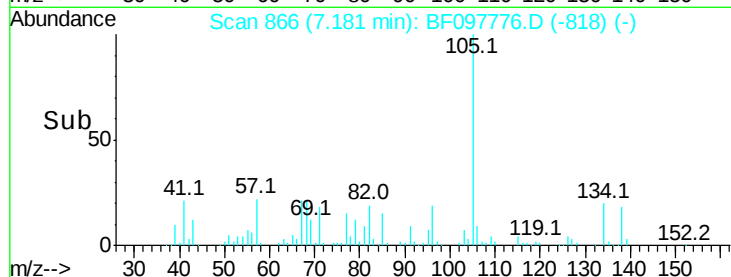
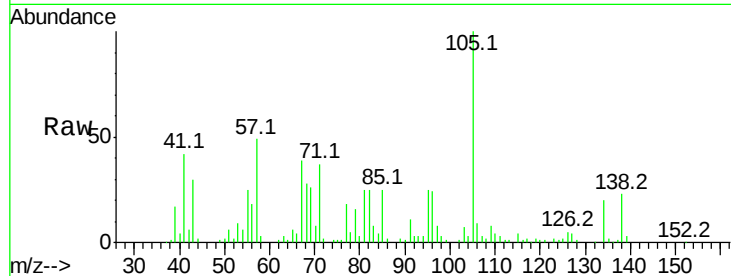
Delta R.T. -0.02 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	105	Resp:	85003
Ion	Ratio	Lower	Upper
105	100		
71	37.3	2.8	4.2#
51	6.1	30.7	46.1#
120	1.1	17.4	26.0#



#23

Nitrobenzene-d5

Concen: 8.271 ng

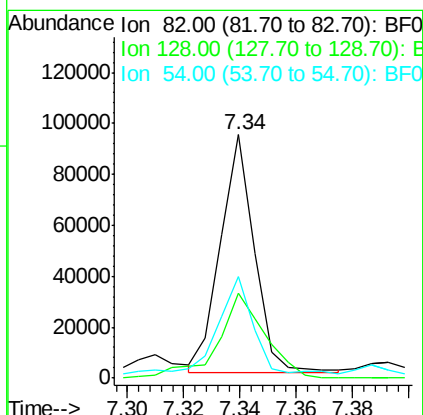
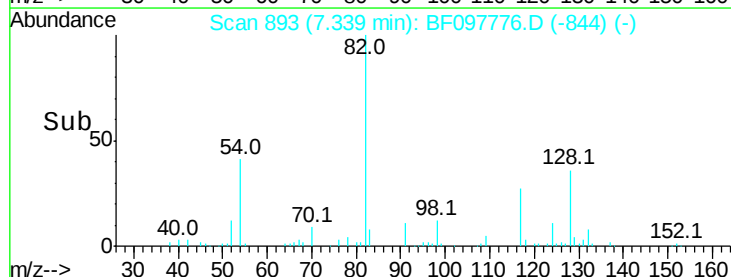
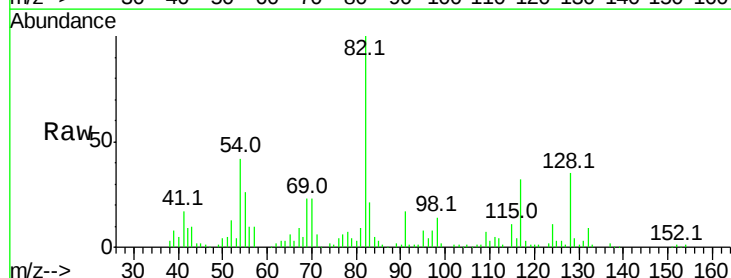
RT: 7.34 min Scan# 893

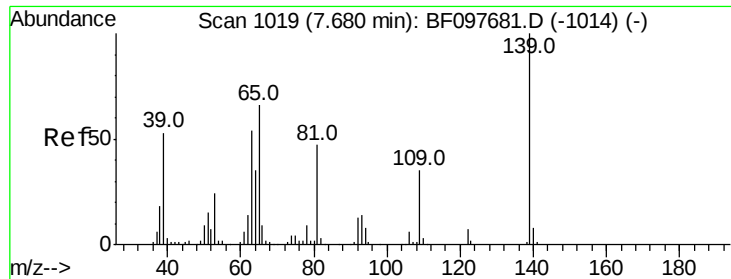
Delta R.T. -0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Tgt Ion:	82	Resp:	77912
Ion	Ratio	Lower	Upper
82	100		
128	34.6	34.0	51.0
54	41.6	42.2	63.2#





#26

2-Nitrophenol

Concen: 5.703 ng

RT: 7.69 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF097776.D

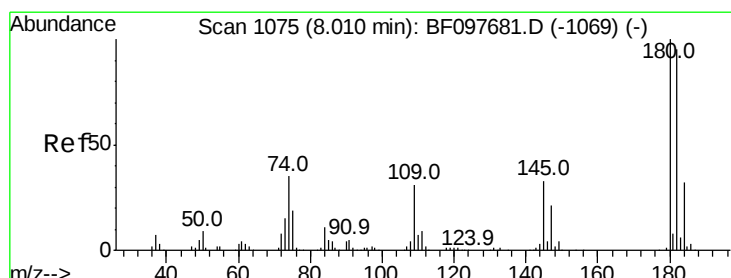
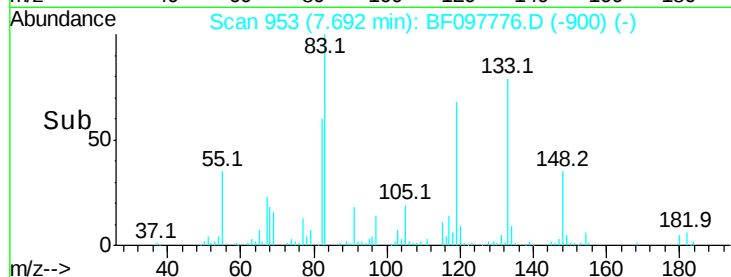
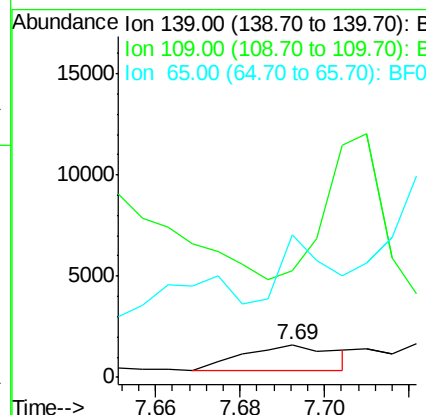
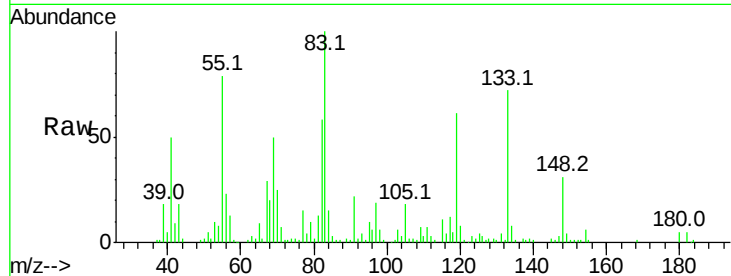
Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:139	Resp:	1899
Ion Ratio	Lower	Upper
139	100	
109	328.7	21.0 31.6#
65	436.6	33.0 49.6#



#30

1,2,4-Trichlorobenzene

Concen: 35.725 ng

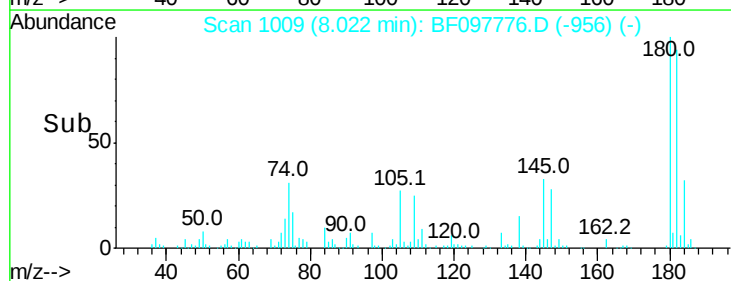
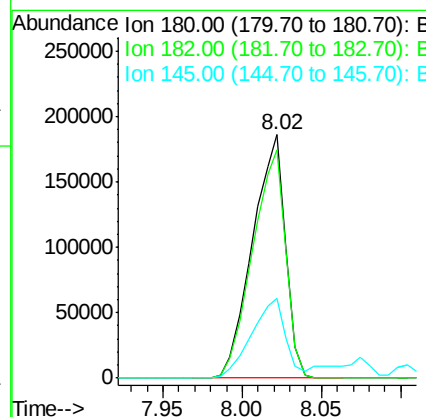
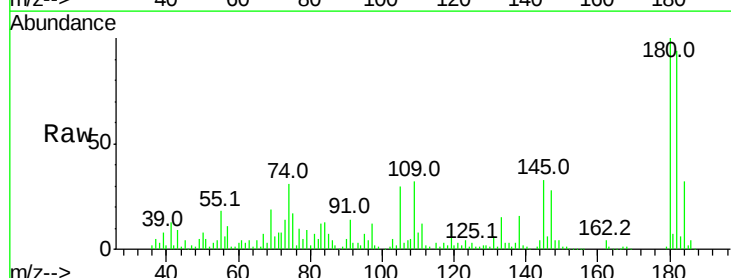
RT: 8.02 min Scan# 1009

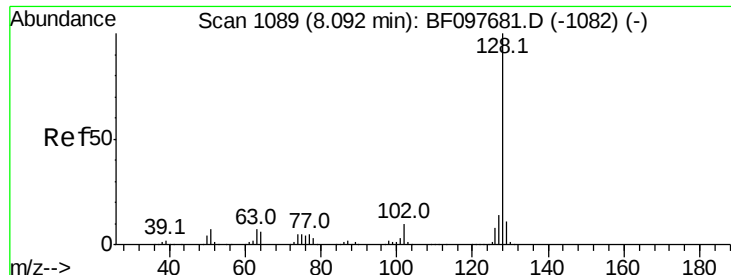
Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Tgt Ion:180	Resp:	268555
Ion Ratio	Lower	Upper
180	100	
182	94.0	75.8 113.6
145	33.0	25.3 37.9

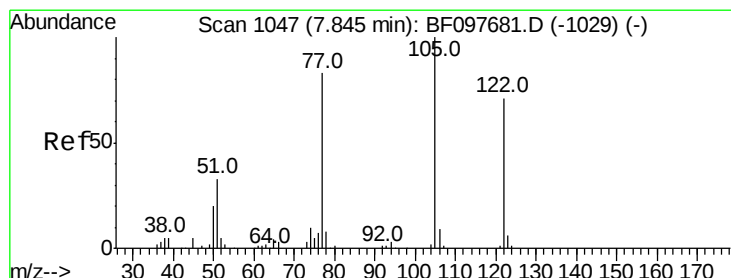
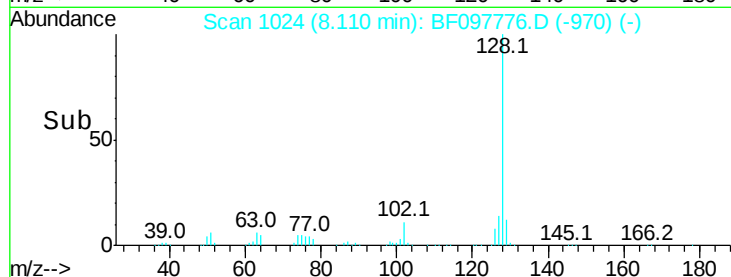
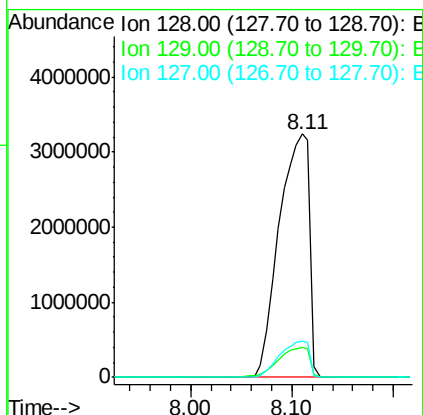
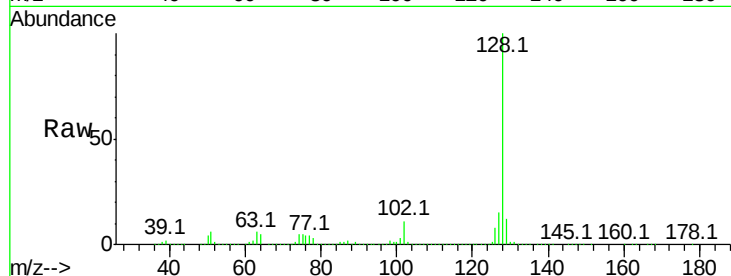




#31
Naphthalene
Concen: 254.779 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.02 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

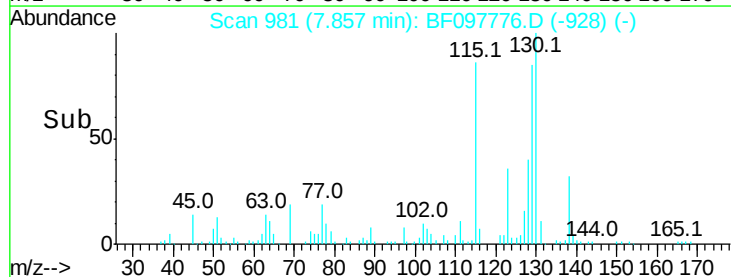
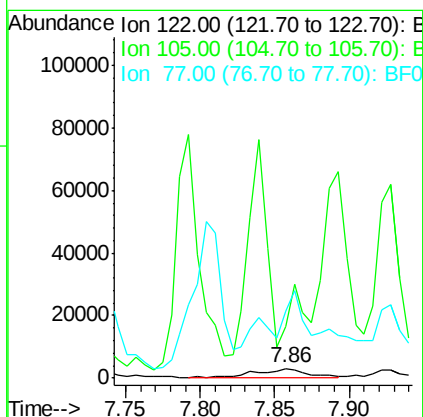
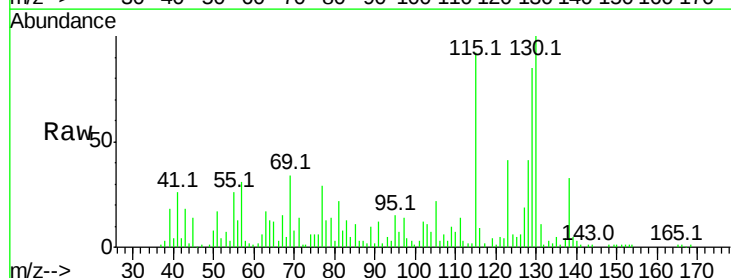
Instrument :
BNA_F
ClientSampleId :

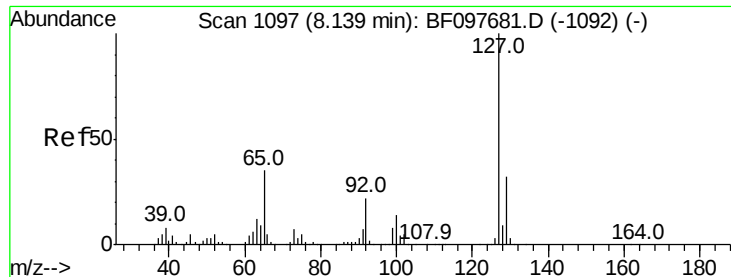
Tot Ion:128 Resp: 6768628
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.6
127 14.7 10.8 16.2



#32
Benzoic acid
Concen: 7.261 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:122 Resp: 5881
Ion Ratio Lower Upper
122 100
105 514.2 103.3 143.3#
77 667.3 73.7 113.7#

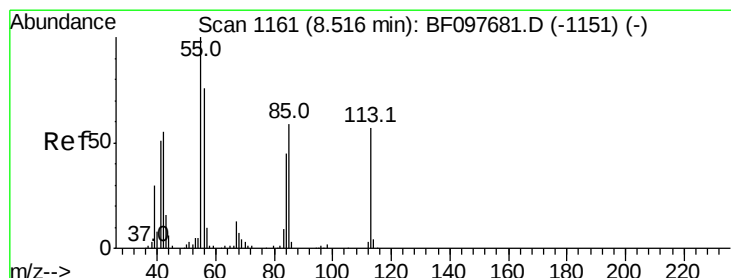
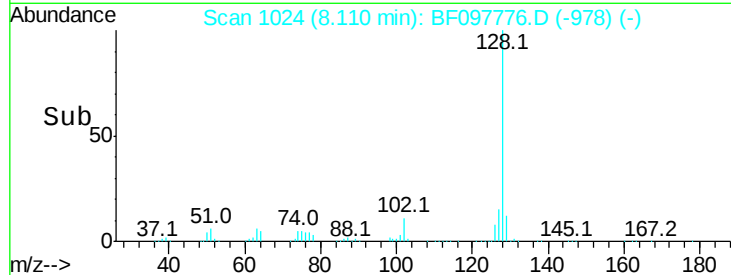
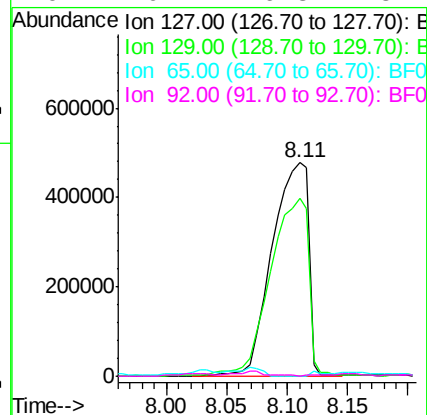
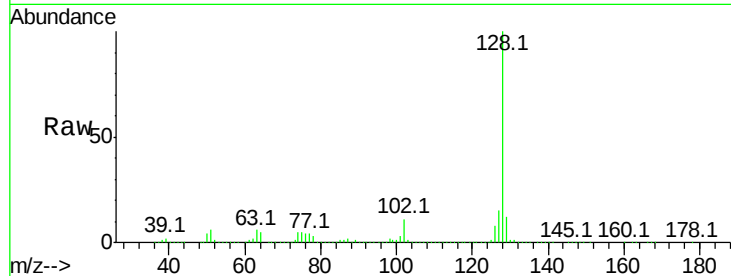




#33
4-Chloroaniline
Concen: 88.237 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

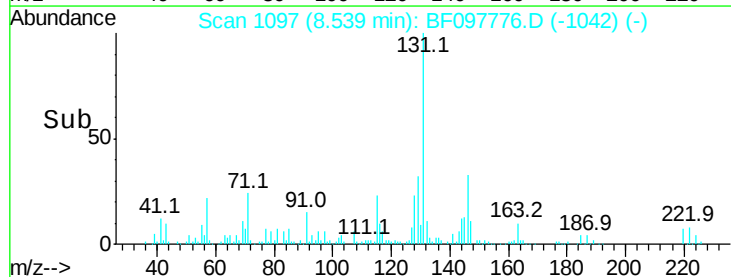
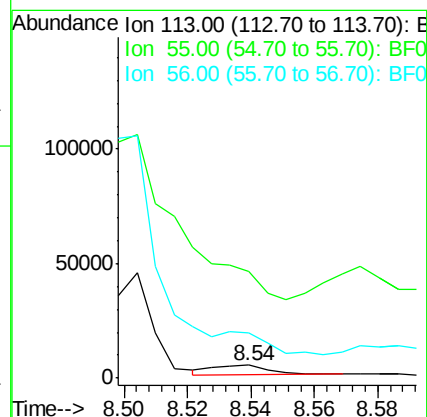
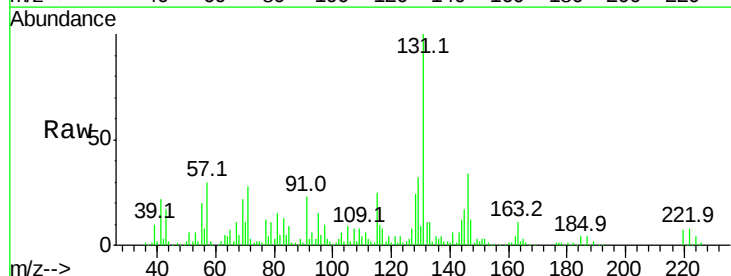
Instrument :
BNA_F
ClientSampleId :

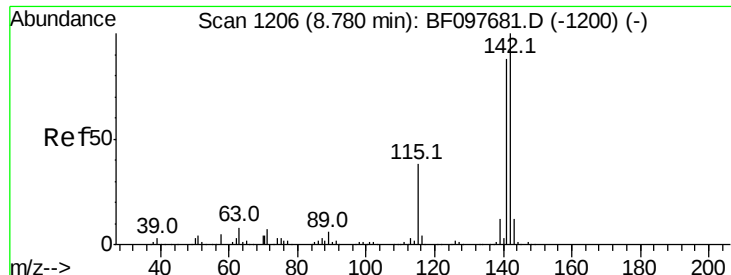
Tot Ion:127 Resp: 988622
Ion Ratio Lower Upper
127 100
129 83.4 26.2 39.2#
65 0.0 27.8 41.8#
92 0.2 16.8 25.2#



#35
Caprolactam
Concen: 2.144 ng
RT: 8.54 min Scan# 1097
Delta R.T. 0.02 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:113 Resp: 4942
Ion Ratio Lower Upper
113 100
55 821.5 150.2 190.2#
56 344.2 107.8 147.8#

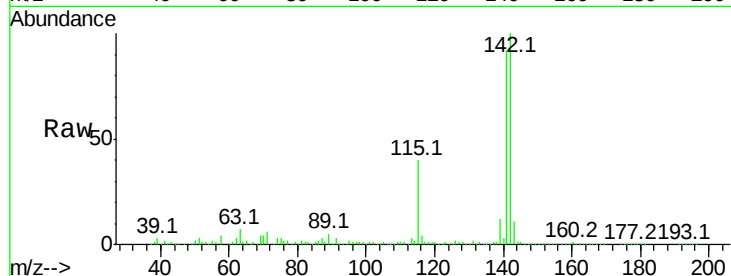




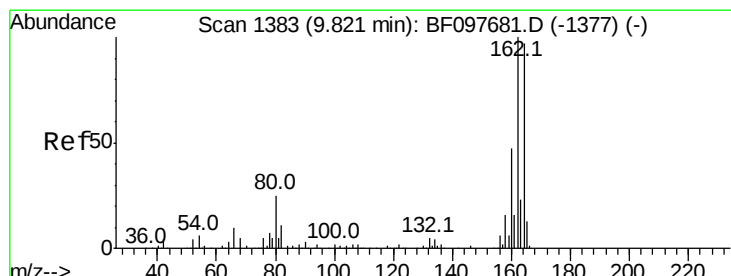
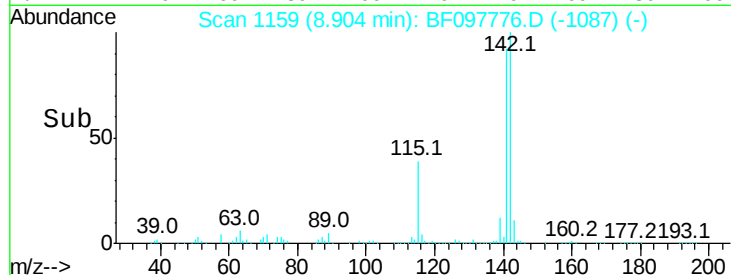
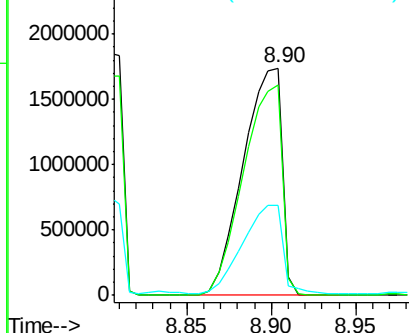
#37
 2-Methylnaphthalene
 Concen: 170.531 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. 0.12 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:142 Resp: 2777573
 Ion Ratio Lower Upper
 142 100
 141 92.5 71.3 106.9
 115 39.8 27.1 40.7

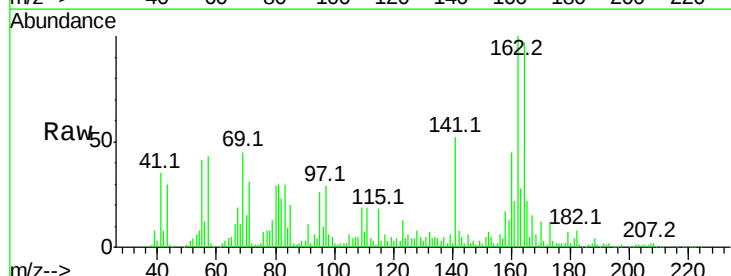


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

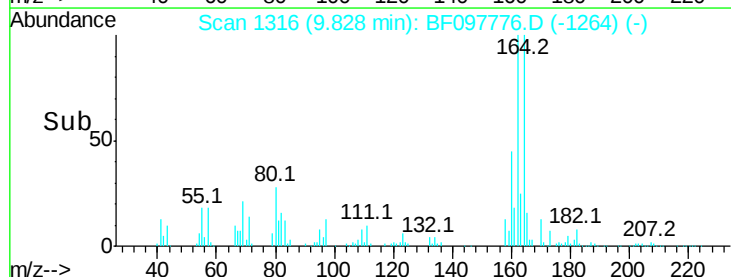
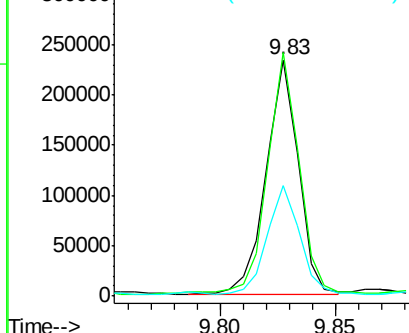


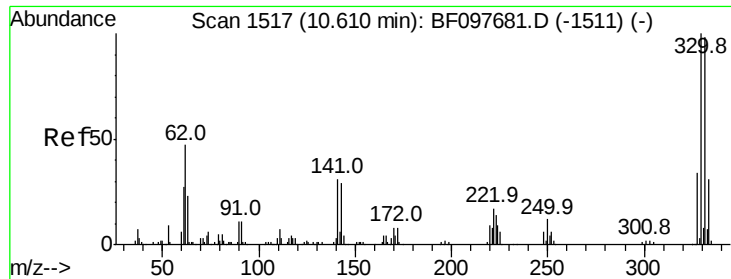
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Tgt Ion:164 Resp: 224630
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 46.9 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

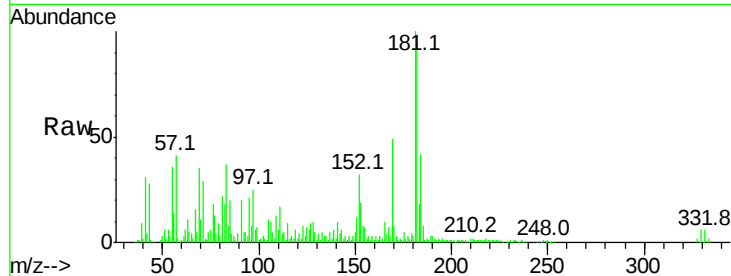




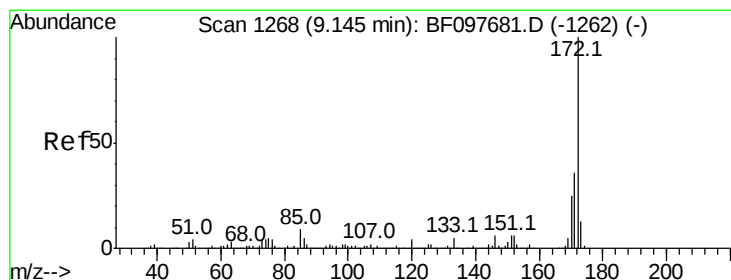
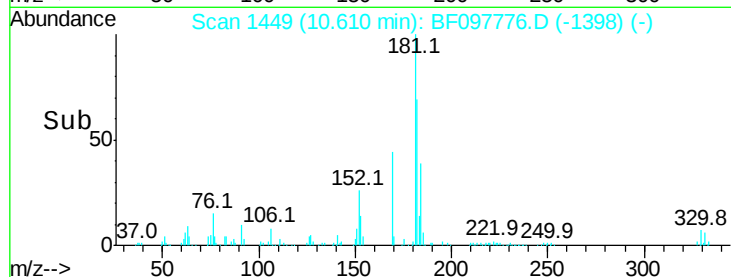
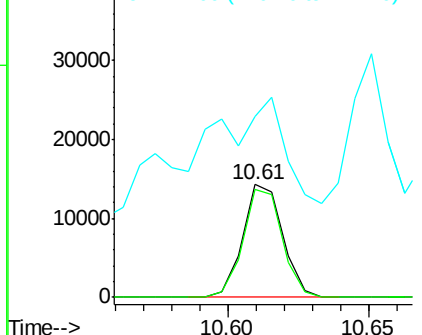
#41
 2,4,6-Tribromophenol
 Concen: 7.191 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 14016
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 115.0
 141 145.9 31.4 47.2#

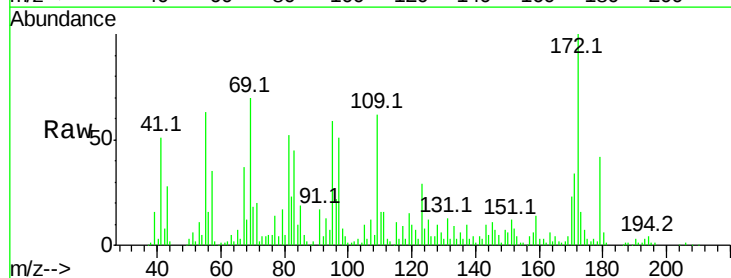


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

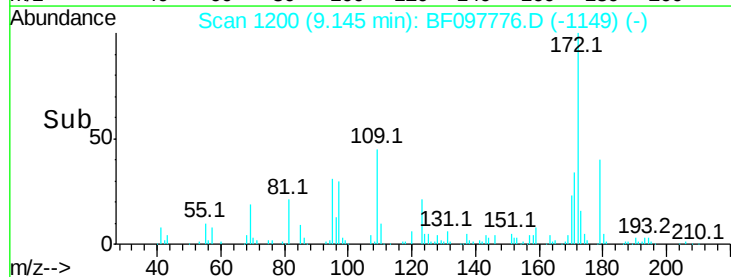
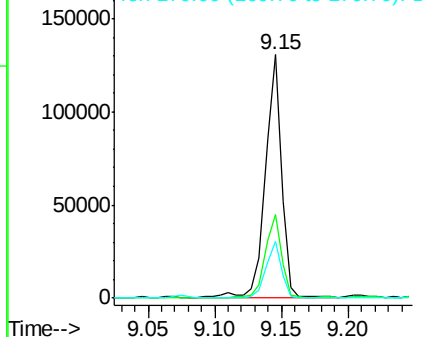


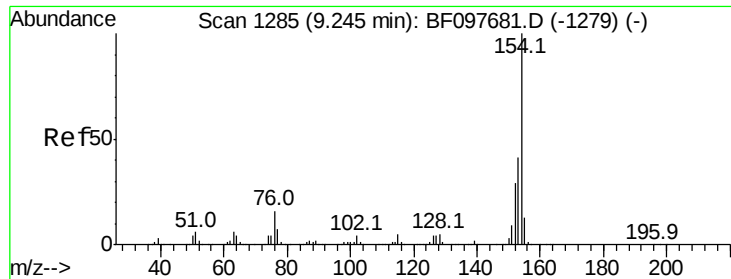
#44
 2-Fluorobiphenyl
 Concen: 7.289 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Tgt Ion:172 Resp: 111448
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.6 44.4
 170 23.1 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

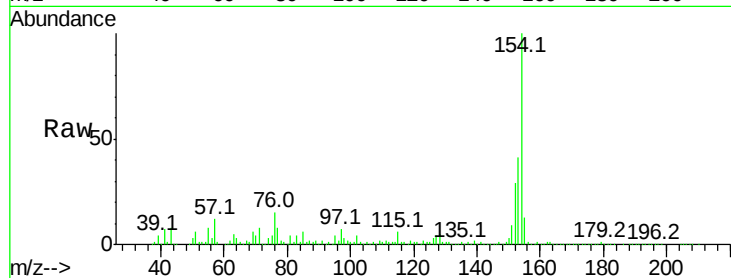




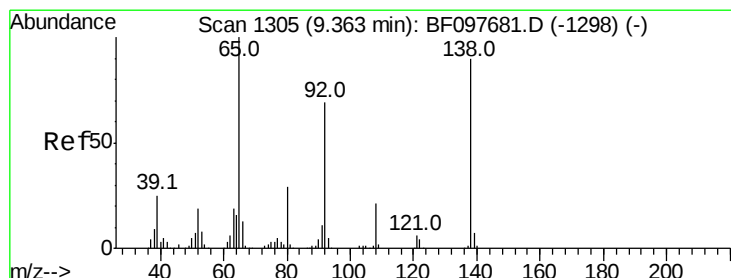
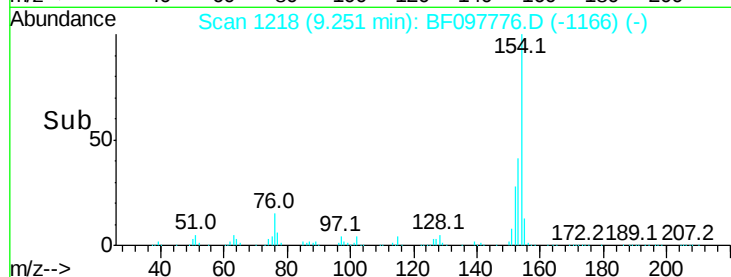
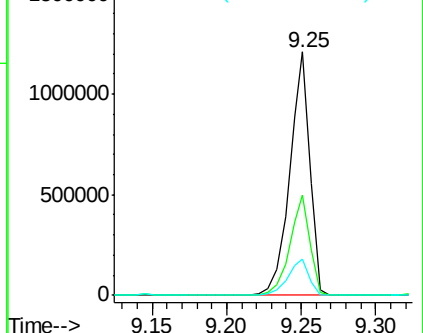
#45
 1,1'-Biphenyl
 Concen: 55.680 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 1140550
 Ion Ratio Lower Upper
 154 100
 153 41.1 21.2 61.2
 76 15.1 0.0 29.9

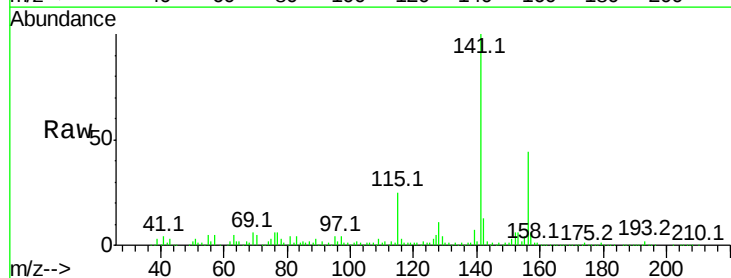


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): E

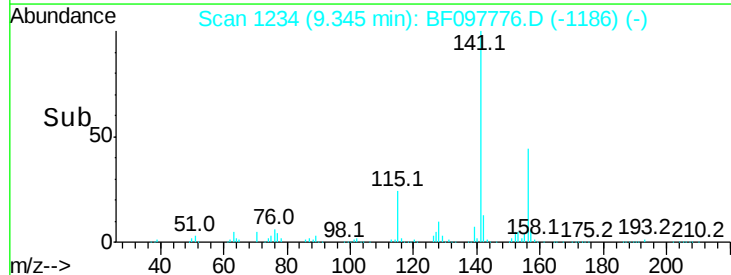
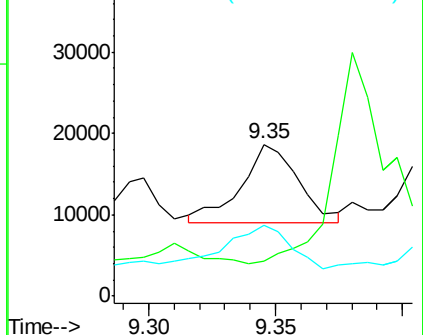


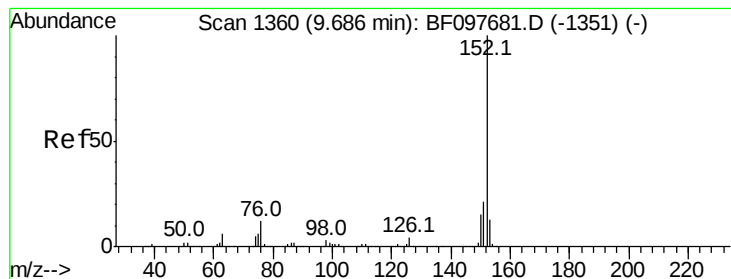
#47
 2-Nitroaniline
 Concen: 2.947 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.02 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Tgt Ion: 65 Resp: 14952
 Ion Ratio Lower Upper
 65 100
 92 22.8 53.9 80.9#
 138 46.9 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 5.494 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

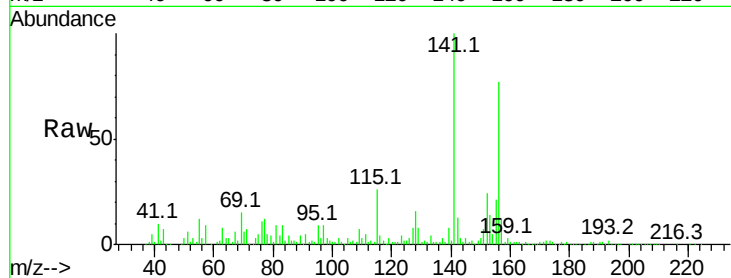
Tot Ion:152 Resp: 130590

Ion Ratio Lower Upper

152 100

151 29.7 16.8 25.2#

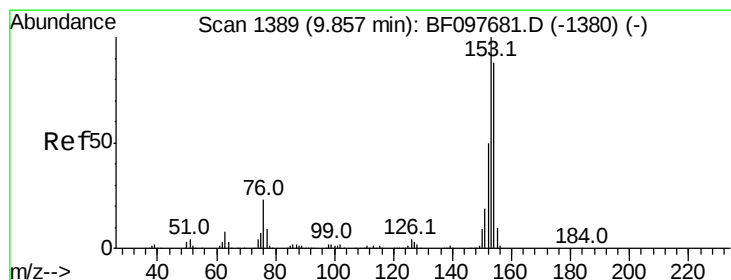
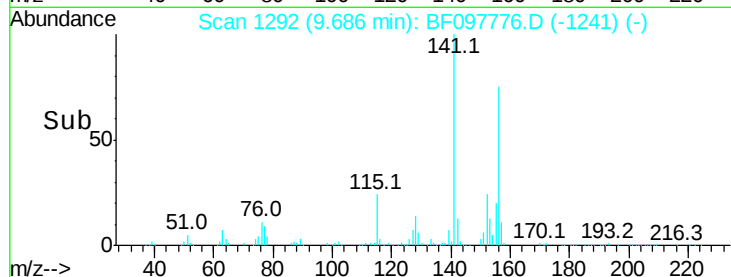
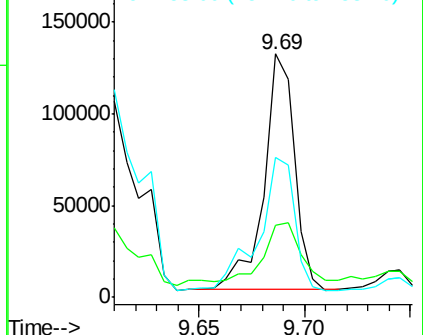
153 57.6 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 89.616 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

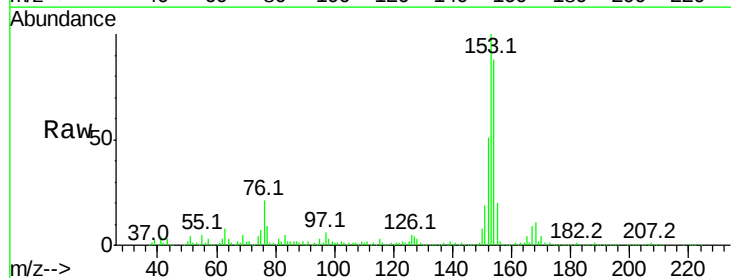
Tgt Ion:154 Resp: 1343348

Ion Ratio Lower Upper

154 100

153 114.3 90.5 135.7

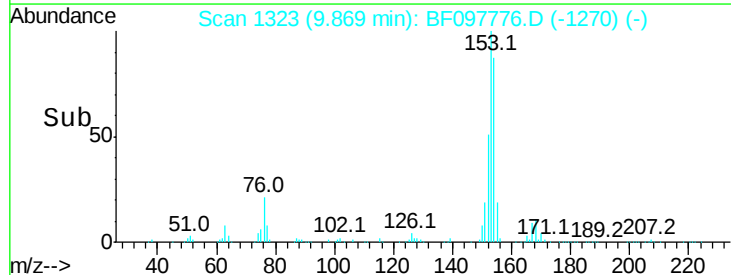
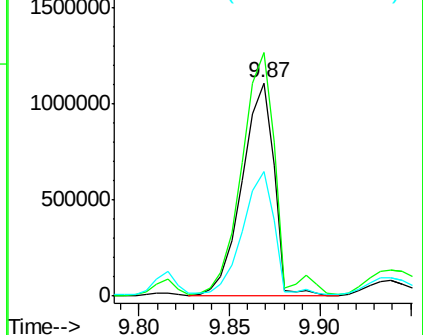
152 58.5 43.6 65.4

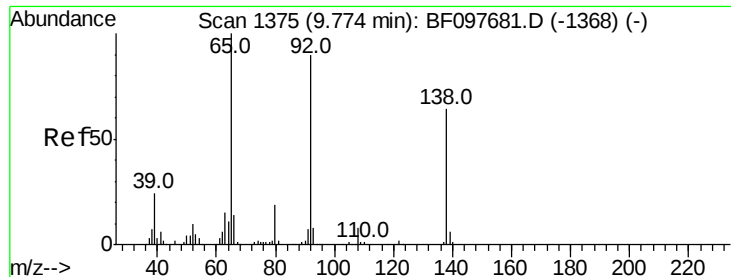


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

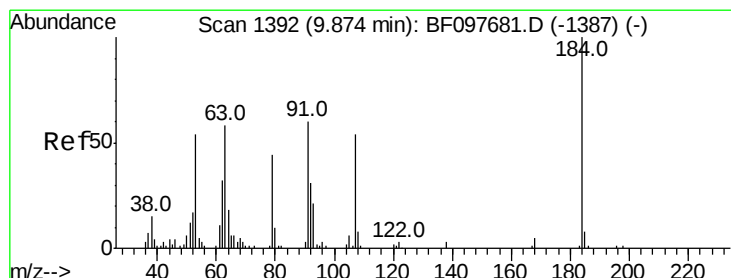
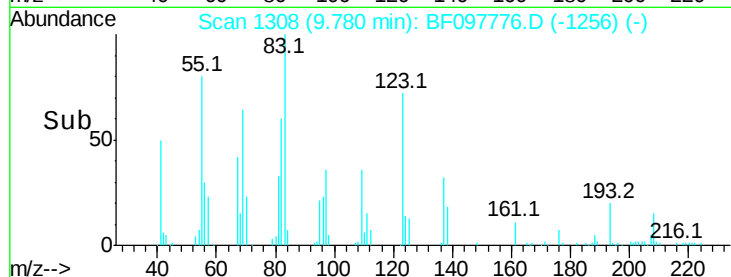
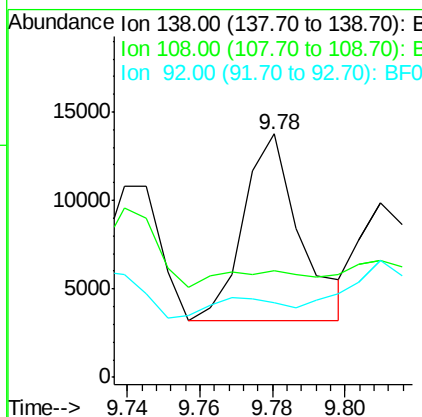
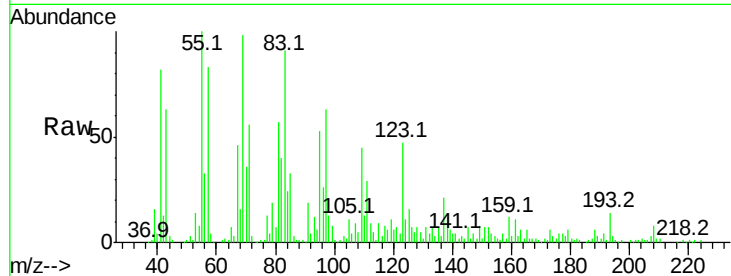




#52
3-Nitroaniline
Concen: 2.694 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

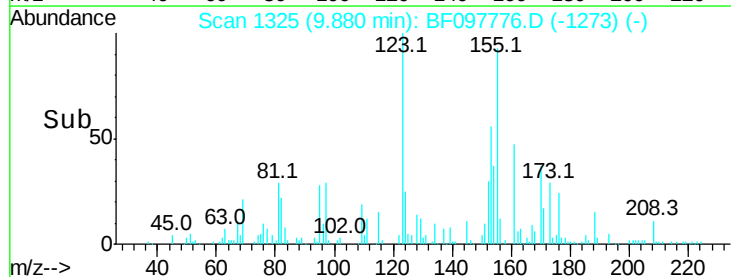
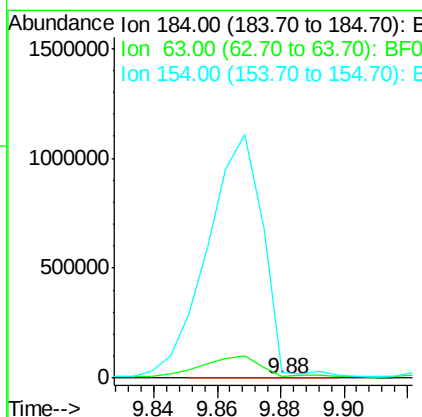
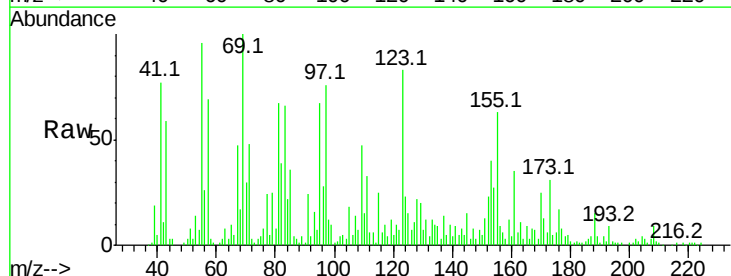
Instrument :
BNA_F
ClientSampleId :

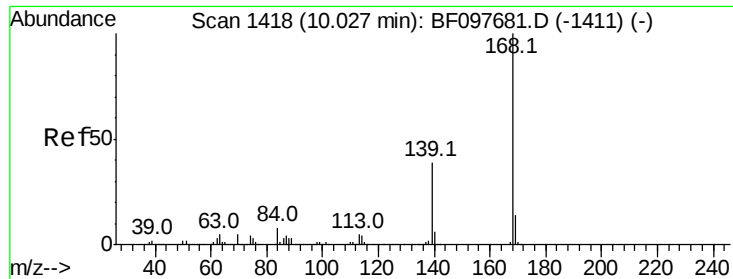
Tot Ion:138 Resp: 11390
Ion Ratio Lower Upper
138 100
108 44.0 9.1 13.7#
92 30.4 93.8 140.6#



#53
2,4-Dinitrophenol
Concen: 11.059 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:184 Resp: 1638
Ion Ratio Lower Upper
184 100
63 775.4 62.7 94.1#
154 2586.9 81.1 121.7#





#54

Dibenzofuran

Concen: 55.025 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampled :

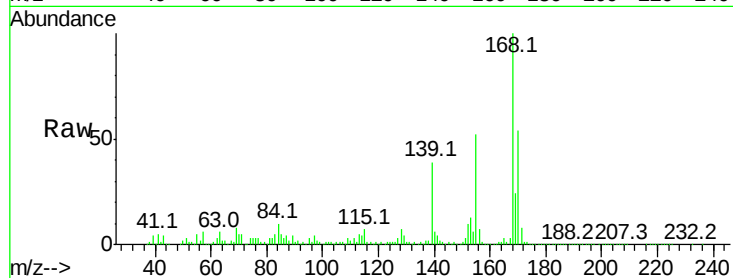
Tot Ion:168 Resp: 1105456

Ion Ratio Lower Upper

168 100

139 38.6 30.6 45.8

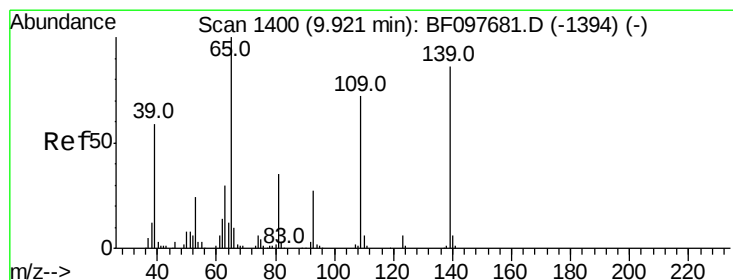
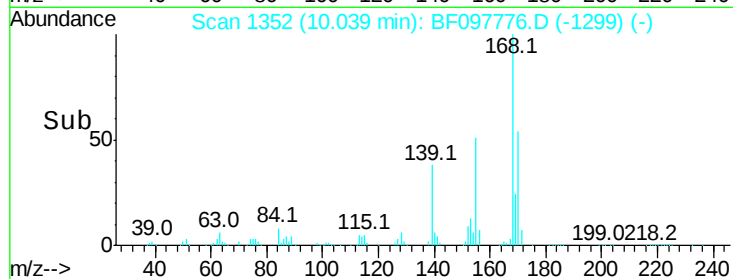
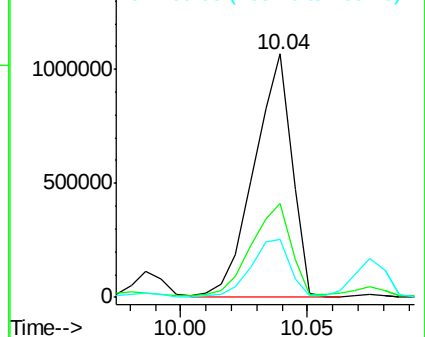
169 23.9 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 10.577 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.15 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

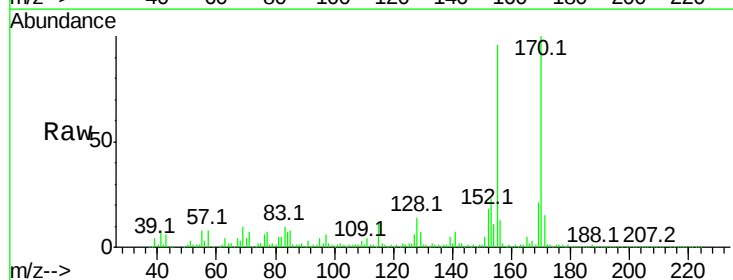
Tgt Ion:139 Resp: 35679

Ion Ratio Lower Upper

139 100

109 57.8 34.1 74.1

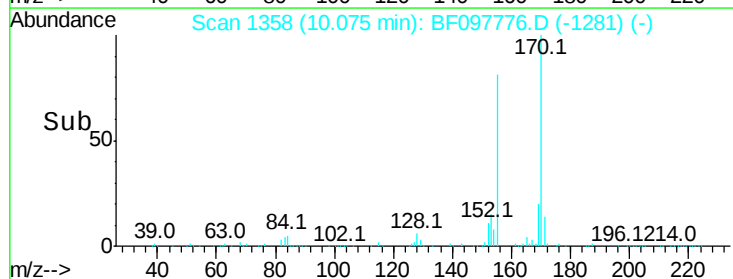
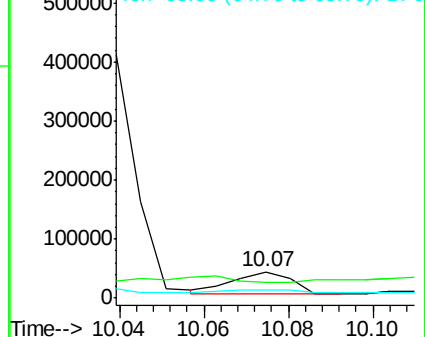
65 32.9 31.4 71.4

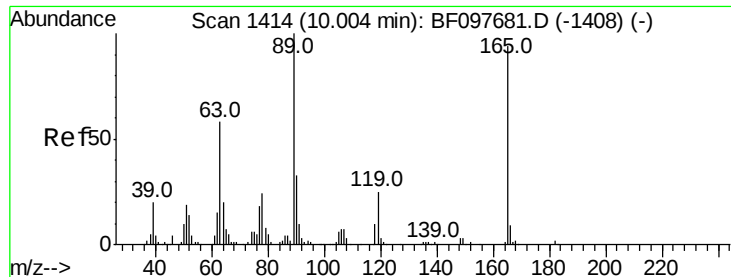


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

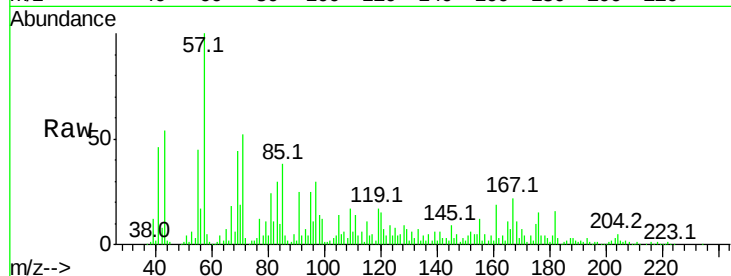




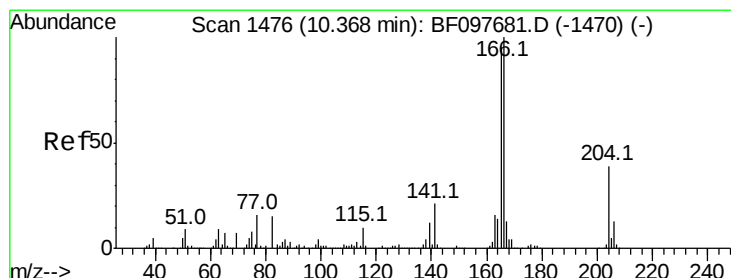
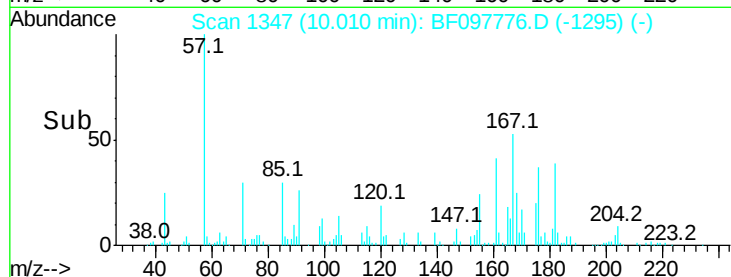
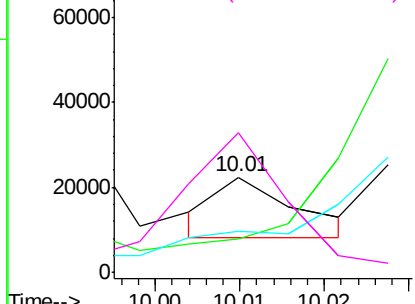
#56
2,4-Dinitrotoluene
Concen: 2.267 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 9324
Ion Ratio Lower Upper
165 100
63 34.6 25.4 38.0
89 43.7 46.4 69.6#
182 146.5 1.8 2.6#

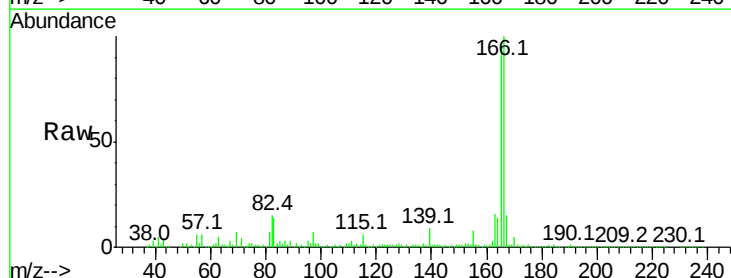


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

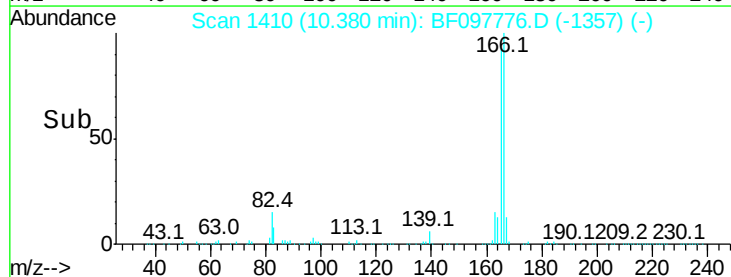
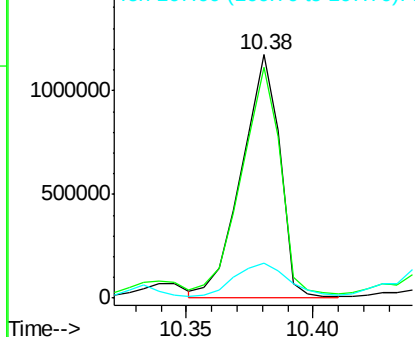


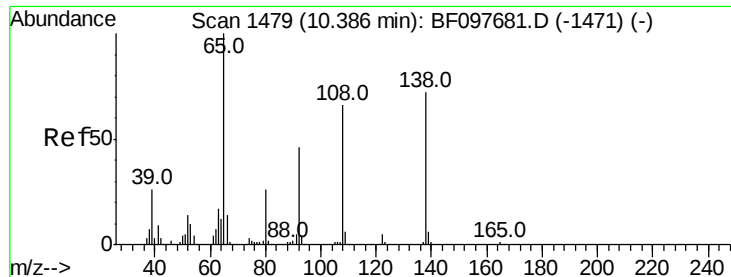
#57
Fluorene
Concen: 78.518 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:166 Resp: 1219575
Ion Ratio Lower Upper
166 100
165 94.5 78.8 118.2
167 14.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

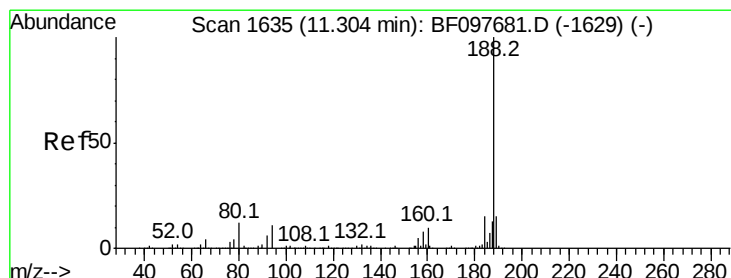
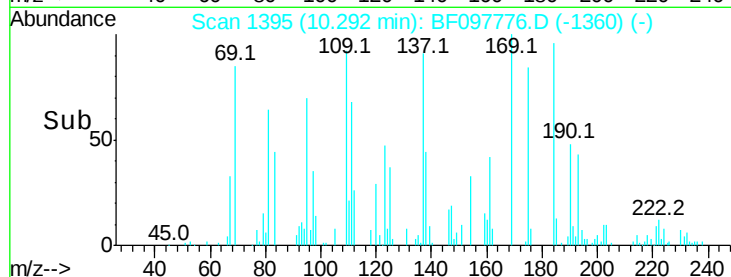
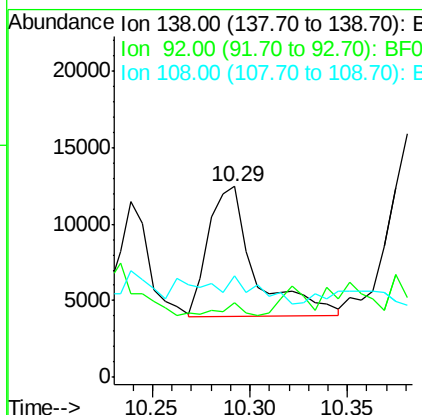
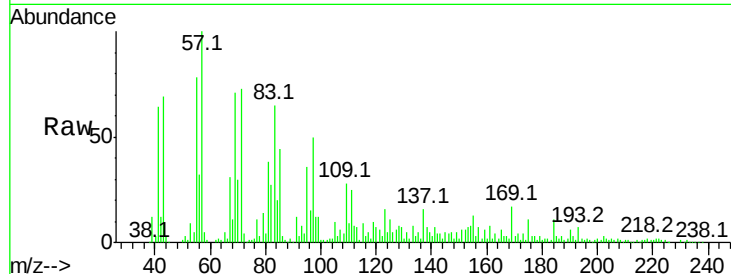




#61
4-Nitroaniline
Concen: 3.491 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.09 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

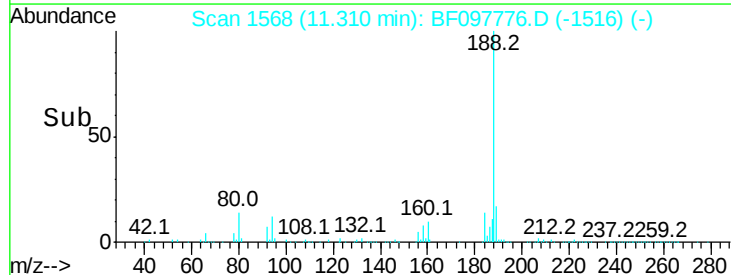
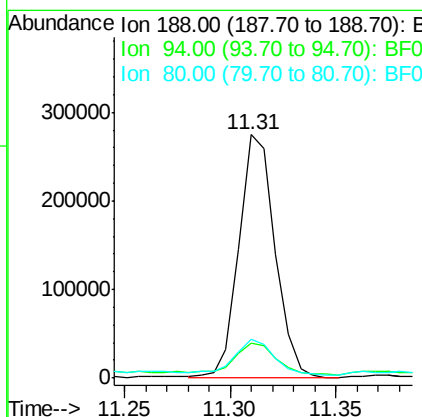
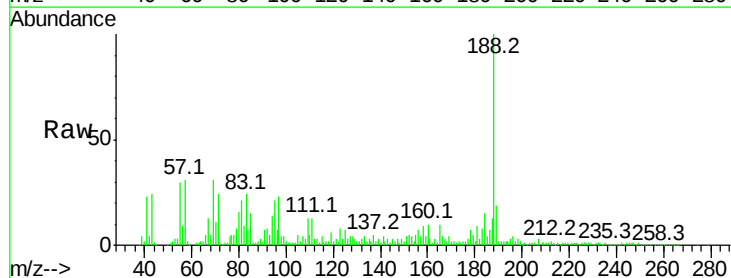
Instrument :
BNA_F
ClientSampled :

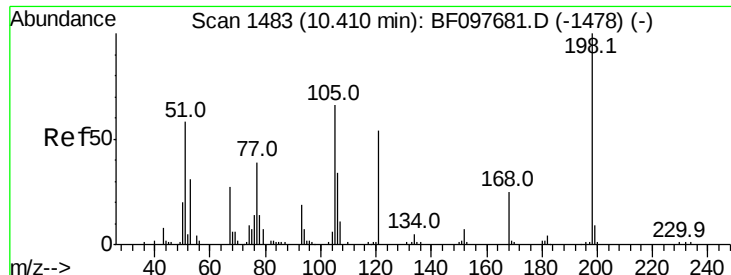
Tot Ion:138 Resp: 14031
Ion Ratio Lower Upper
138 100
92 39.4 21.8 61.8
108 53.1 42.3 82.3



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:188 Resp: 322616
Ion Ratio Lower Upper
188 100
94 14.3 9.4 14.2#
80 16.0 10.2 15.2#





#64

4,6-Dinitro-2-methylphenol

Concen: 10.231 ng

RT: 10.41 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampled :

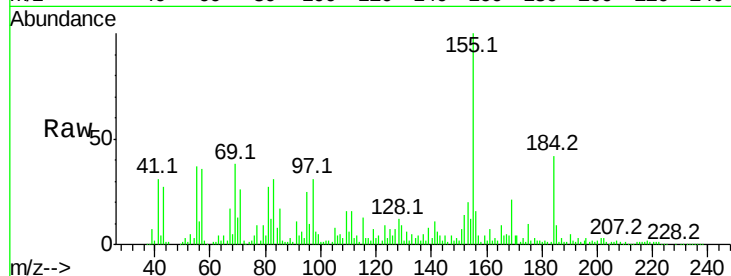
Tot Ion:198 Resp: 3513

Ion Ratio Lower Upper

198 100

51 176.9 53.2 93.2#

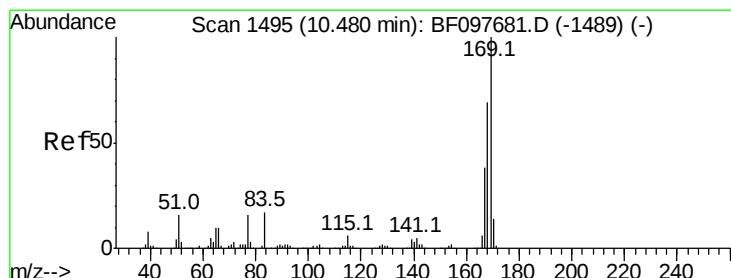
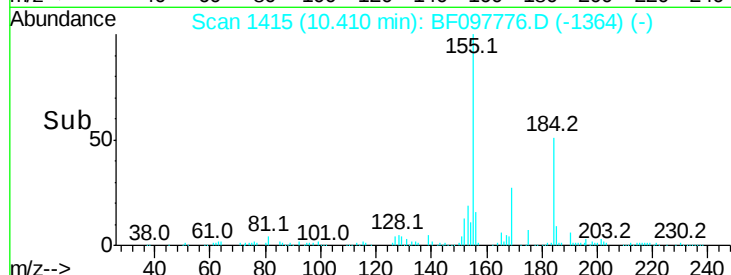
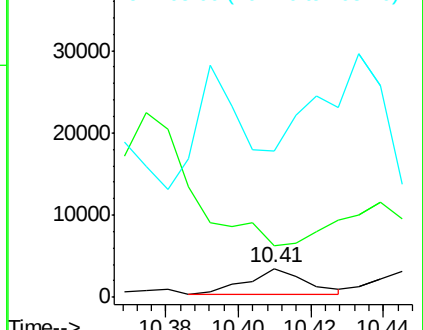
105 506.6 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 23.562 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

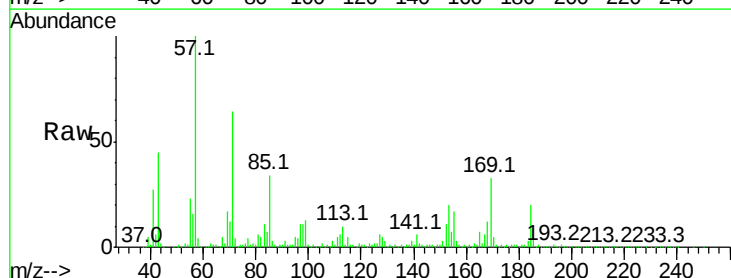
Tgt Ion:169 Resp: 258850

Ion Ratio Lower Upper

169 100

168 36.6 53.2 79.8#

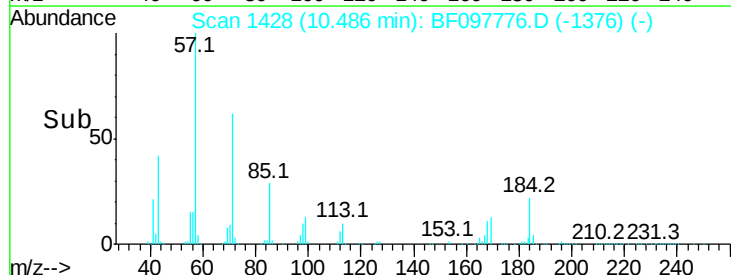
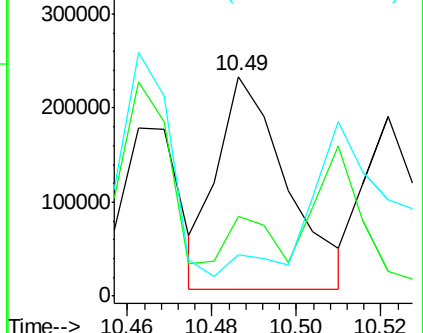
167 18.8 29.5 44.3#

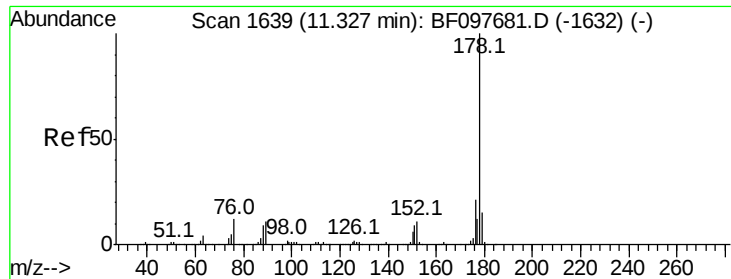


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

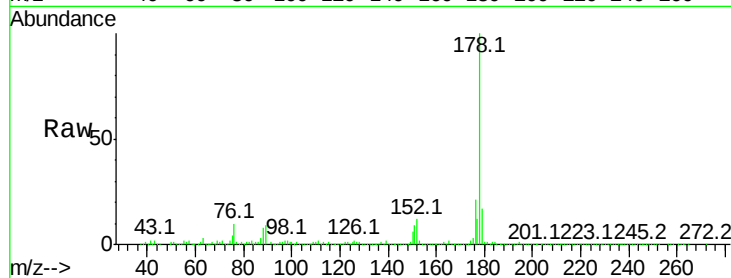




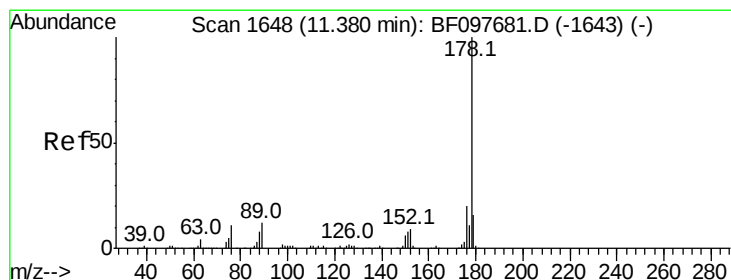
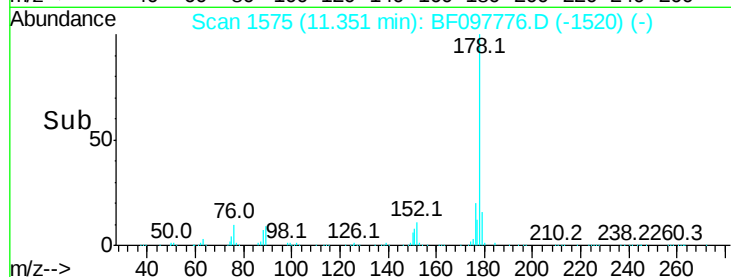
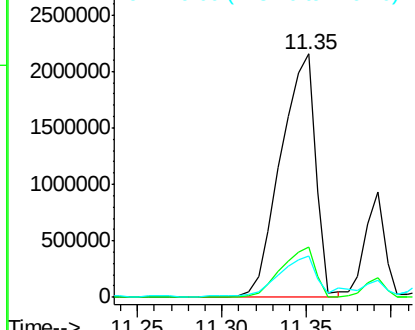
#70
Phenanthrene
Concen: 178.876 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.02 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 3075114
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 16.8 12.6 19.0

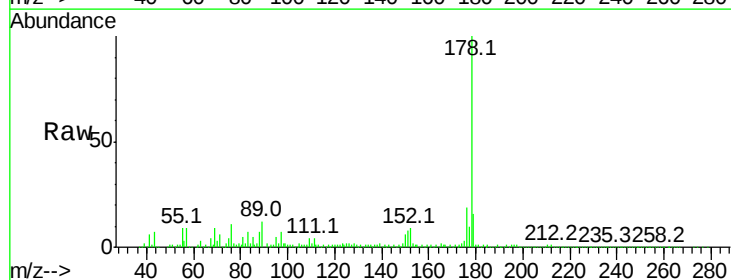


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

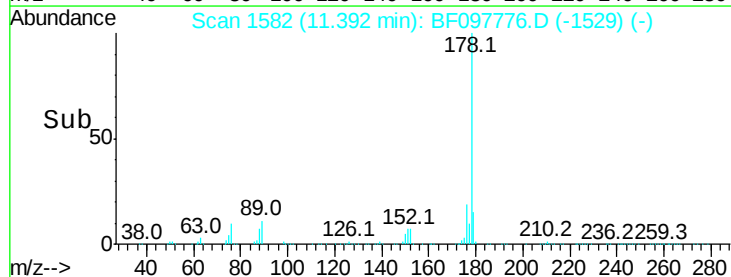
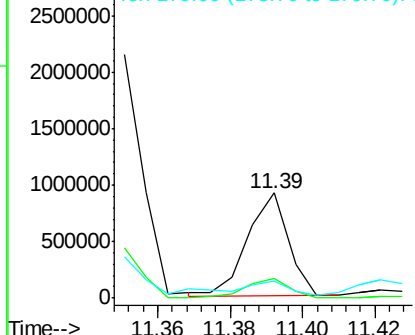


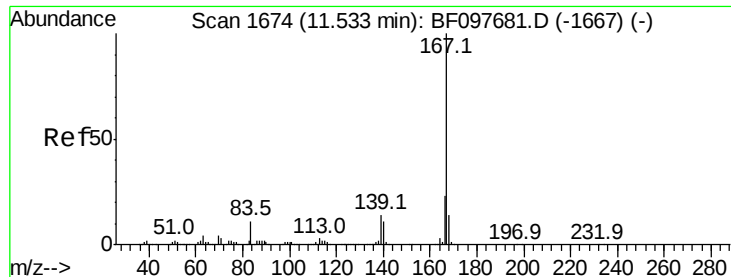
#71
Anthracene
Concen: 40.837 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:178 Resp: 712063
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.4 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 10.320 ng

RT: 11.54 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

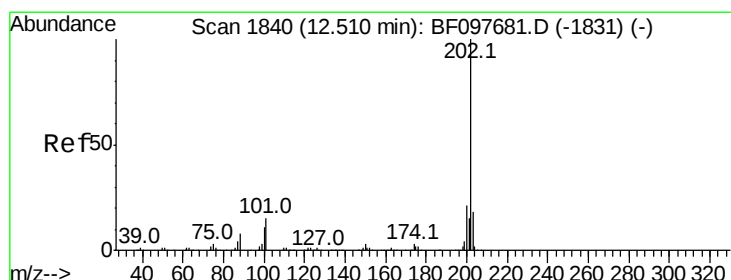
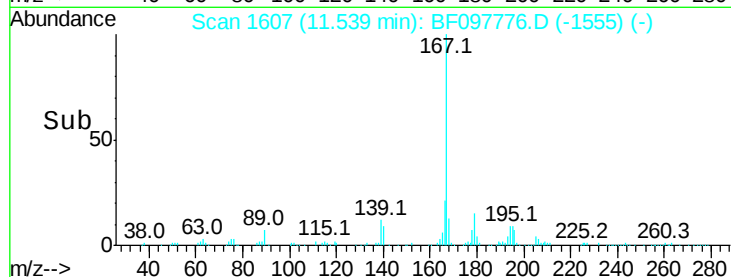
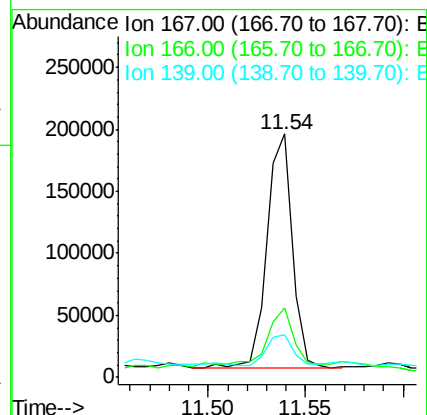
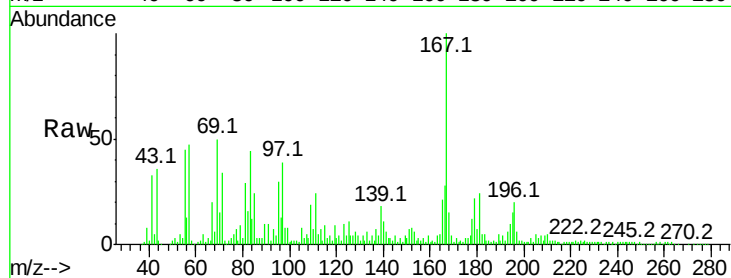
Tot Ion:167 Resp: 170806

Ion Ratio Lower Upper

167 100

166 28.5 18.1 27.1#

139 17.7 11.7 17.5#



#74

Fluoranthene

Concen: 82.643 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.02 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

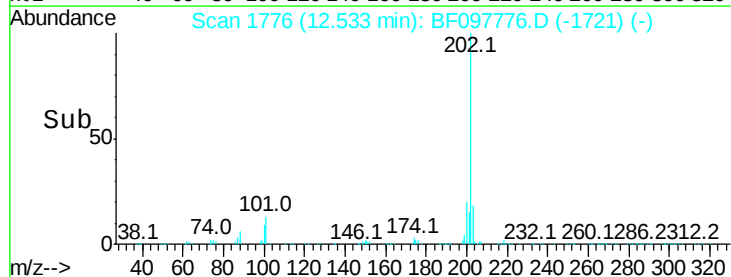
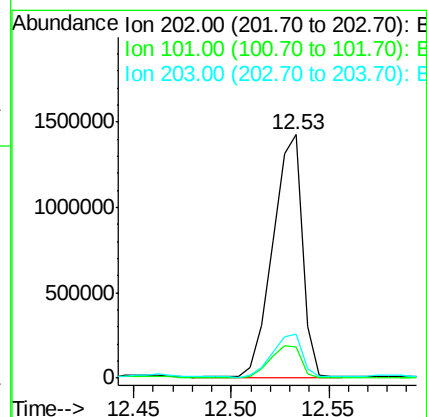
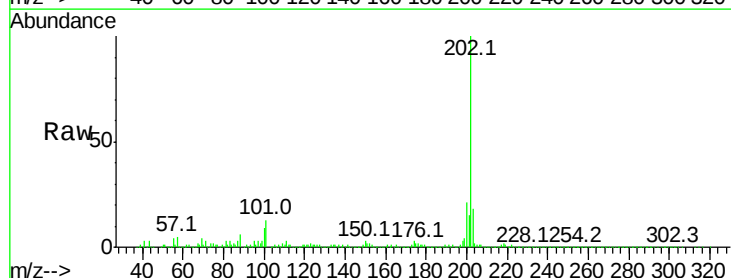
Tgt Ion:202 Resp: 1482925

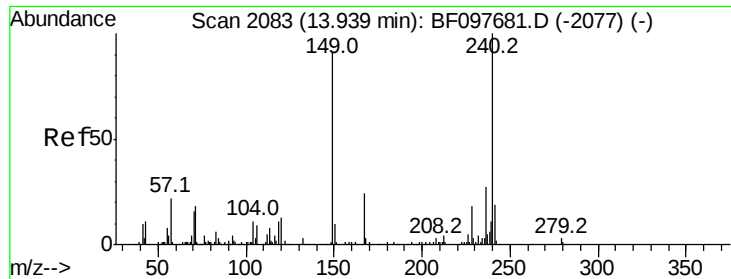
Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

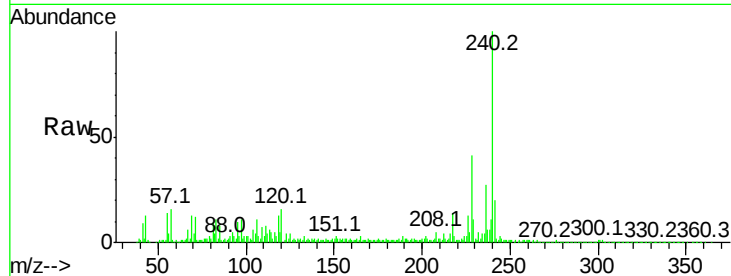
Tot Ion:240 Resp: 282484

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

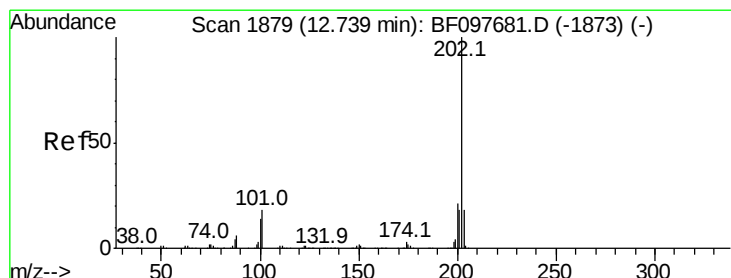
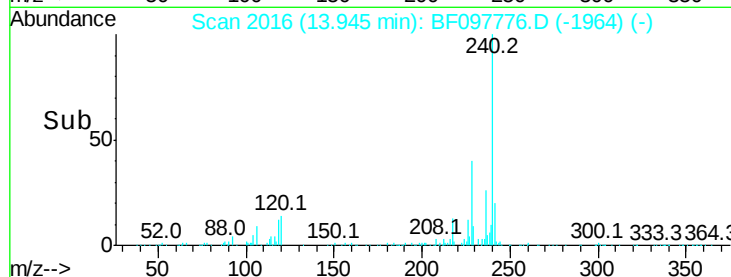
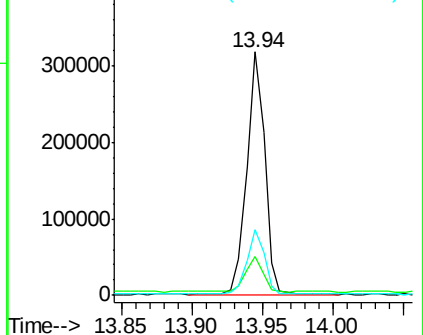
236 26.9 20.5 30.7



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



#77

Pyrene

Concen: 57.304 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.02 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

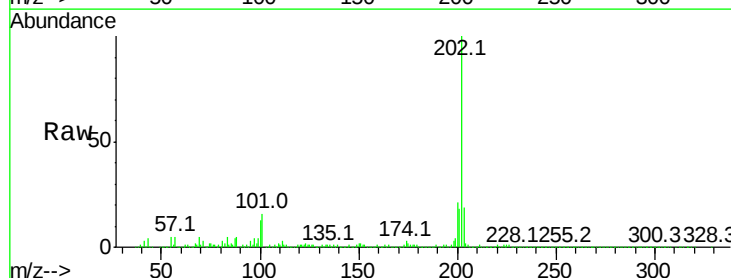
Tgt Ion:202 Resp: 1323947

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

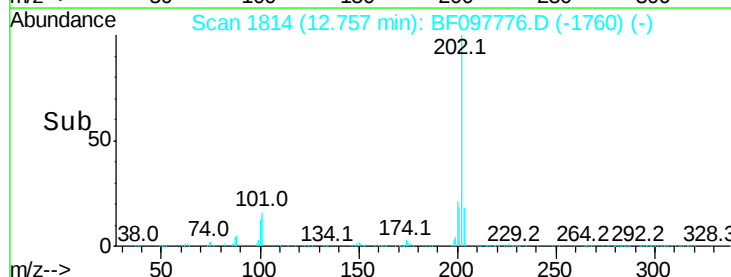
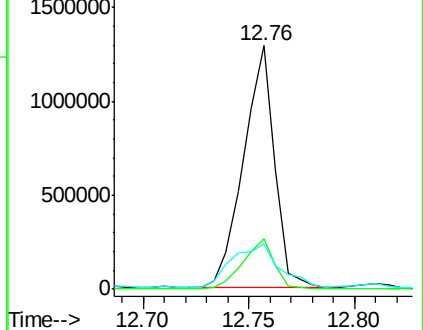
203 18.6 14.4 21.6

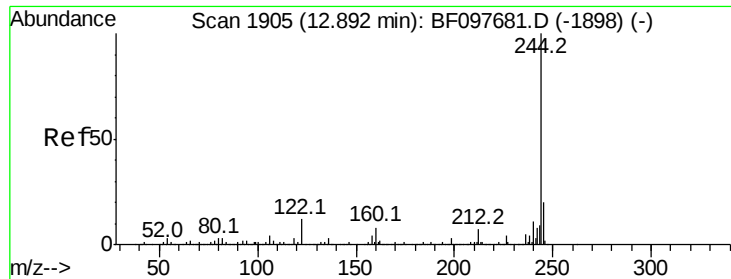


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.244 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

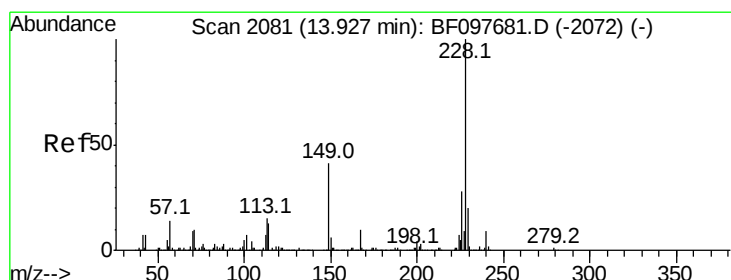
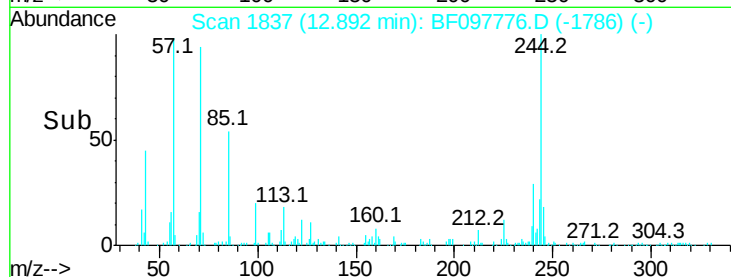
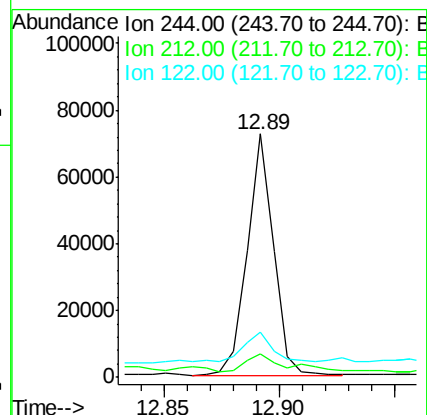
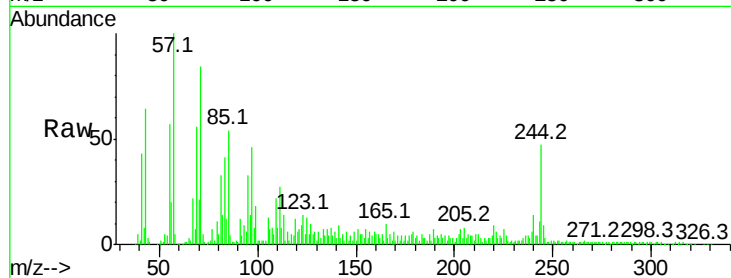
Tot Ion:244 Resp: 57484

Ion Ratio Lower Upper

244 100

212 9.8 6.0 9.0#

122 18.5 10.3 15.5#



#80

Benzo(a)anthracene

Concen: 25.799 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

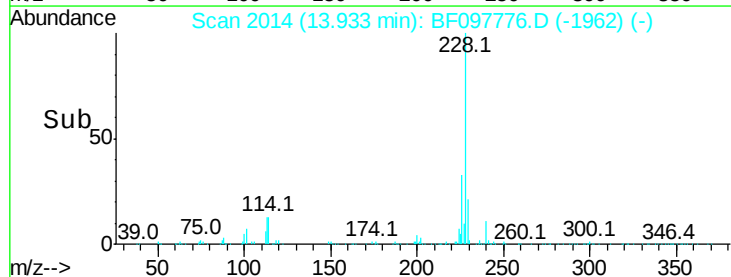
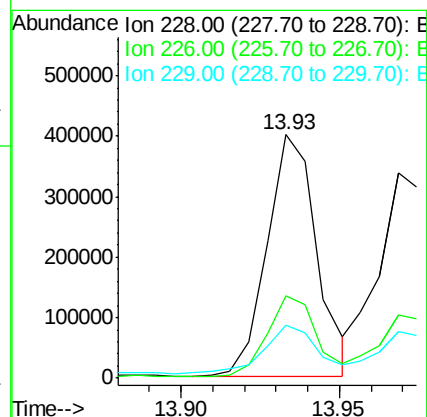
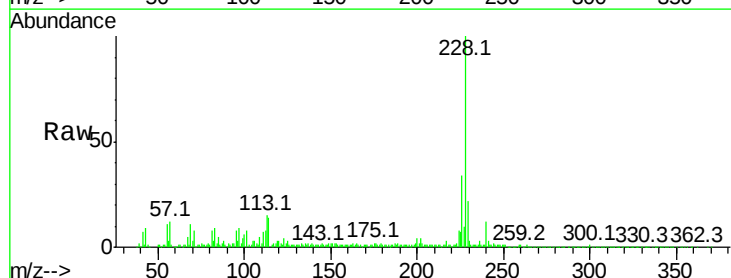
Tgt Ion:228 Resp: 436785

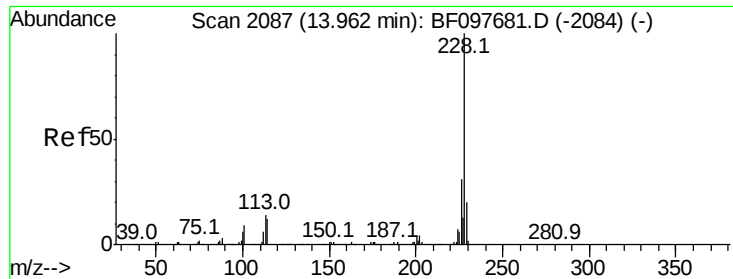
Ion Ratio Lower Upper

228 100

226 33.7 22.6 33.8

229 21.6 16.3 24.5

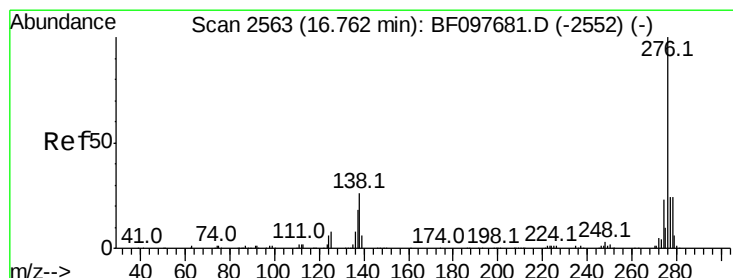
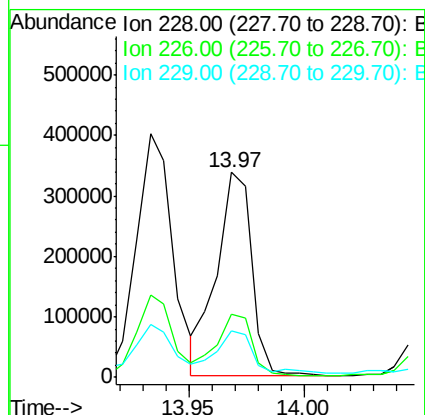
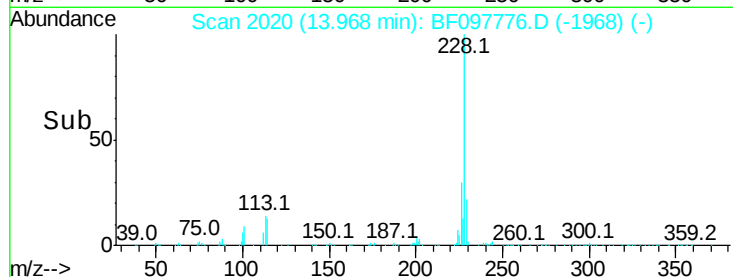
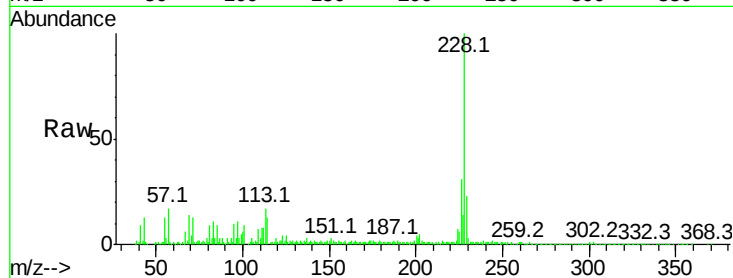




#82
Chrysene
Concen: 21.104 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

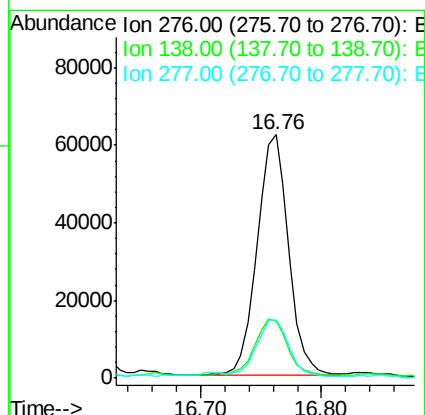
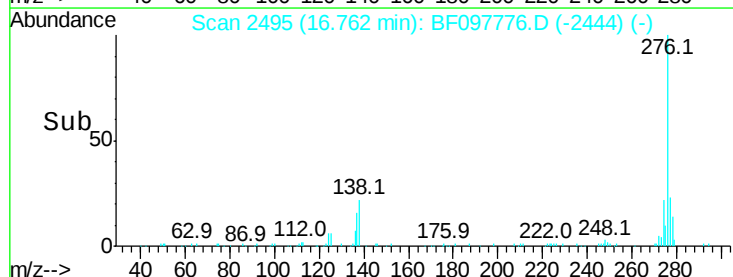
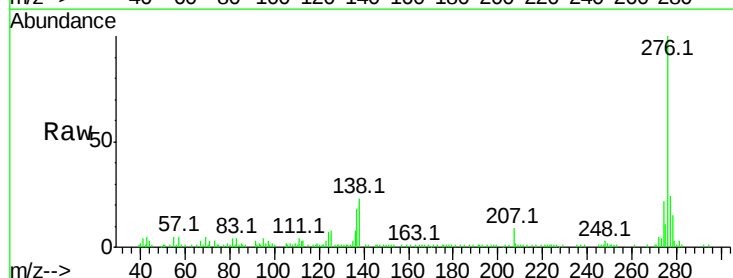
Instrument :
BNA_F
ClientSampleId :

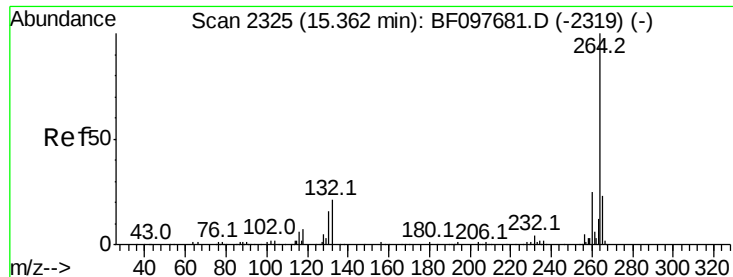
Tot Ion:228 Resp: 355429
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 22.9 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.127 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BF097776.D
Acq: 17 Aug 2017 9:10

Tgt Ion:276 Resp: 113080
Ion Ratio Lower Upper
276 100
138 26.1 27.8 41.6#
277 24.7 20.2 30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

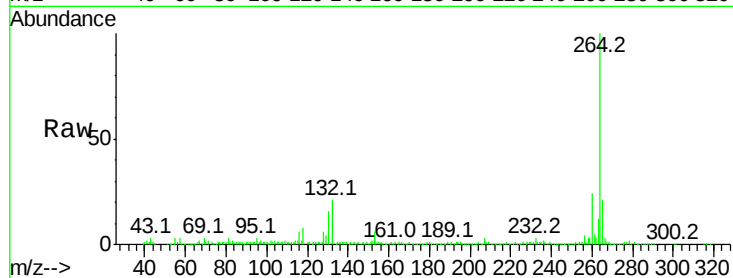
Instrument :

BNA_F

ClientSampled :

Tot Ion:264 Resp: 262252

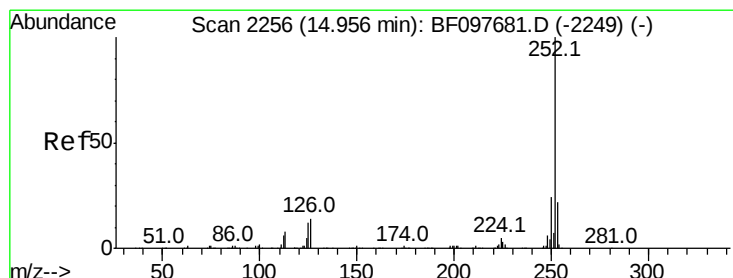
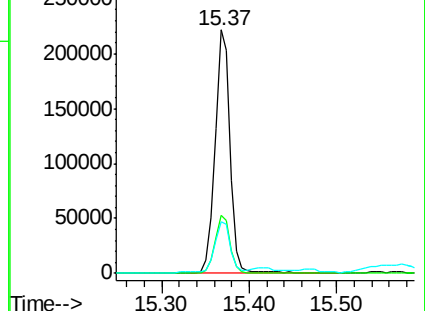
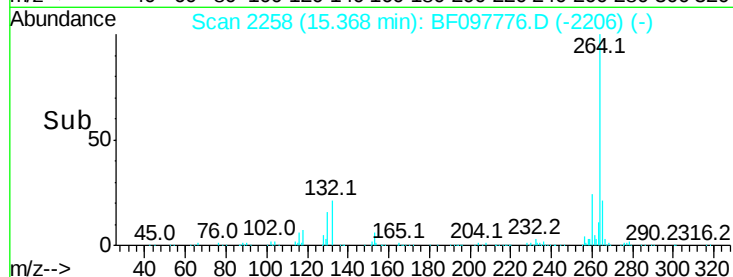
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.4	17.2	25.8



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



#87

Benzo(b)fluoranthene

Concen: 29.052 ng

RT: 14.96 min Scan# 2189

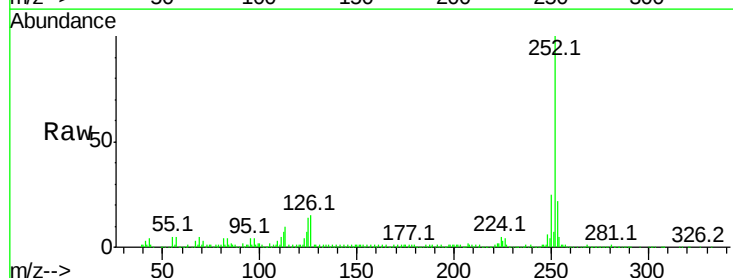
Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Tgt Ion:252 Resp: 480250

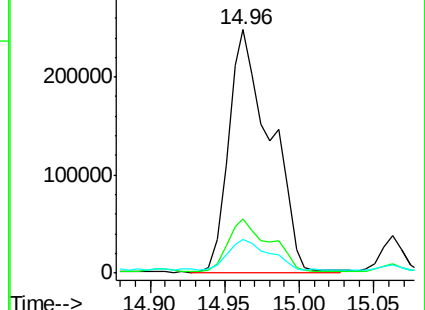
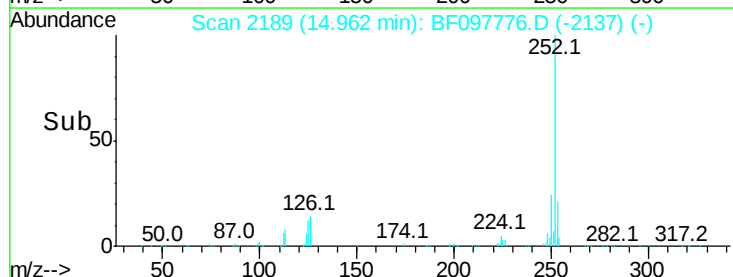
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	14.0	9.8	14.8

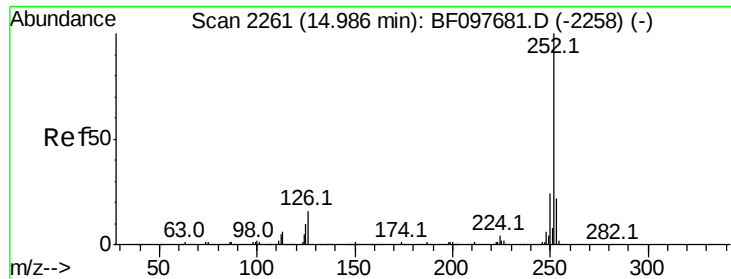


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 30.923 ng

RT: 14.96 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BF097776.D

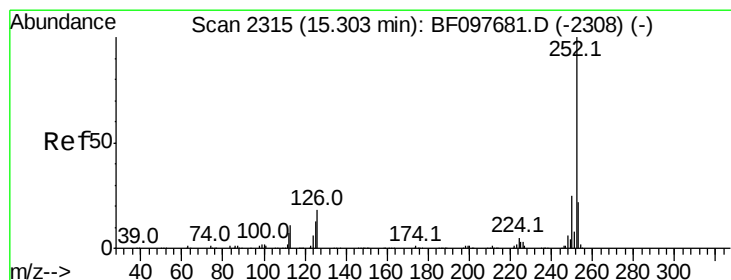
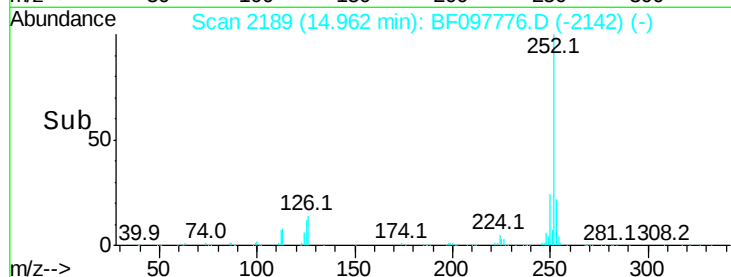
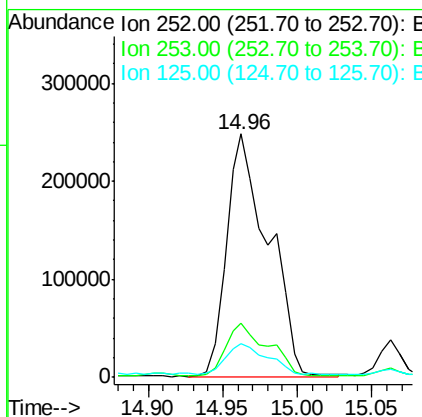
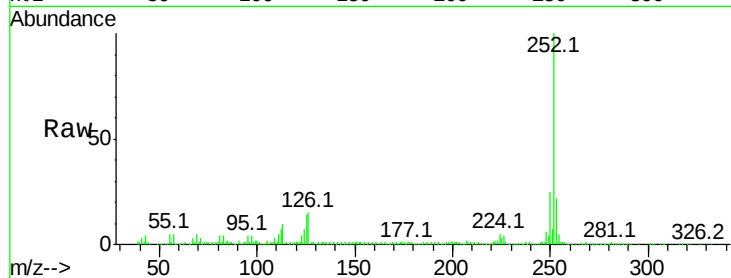
Acq: 17 Aug 2017 9:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	480250
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	14.0	13.1	19.7



#89

Benzo(a)pyrene

Concen: 13.726 ng

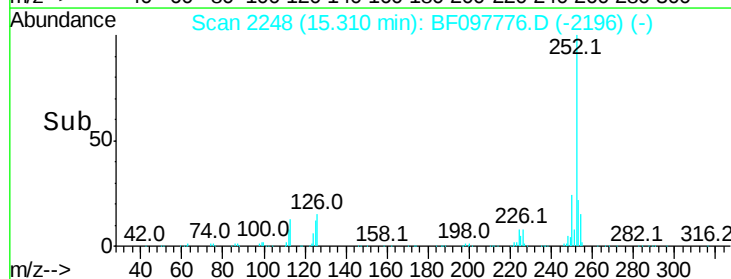
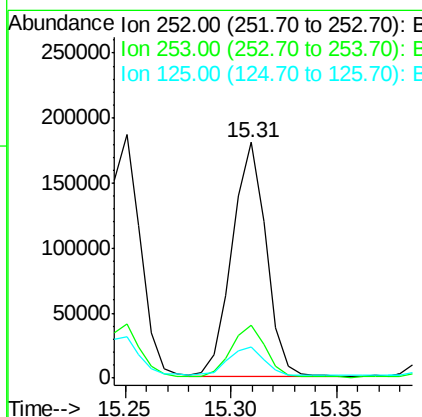
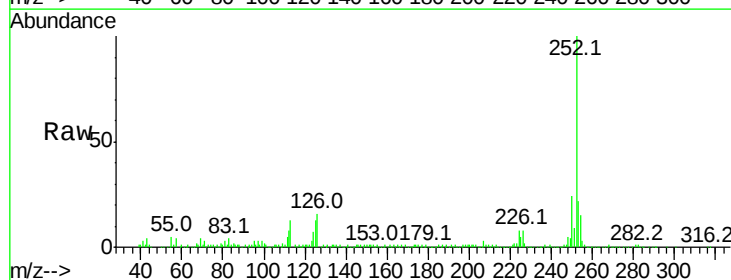
RT: 15.31 min Scan# 2248

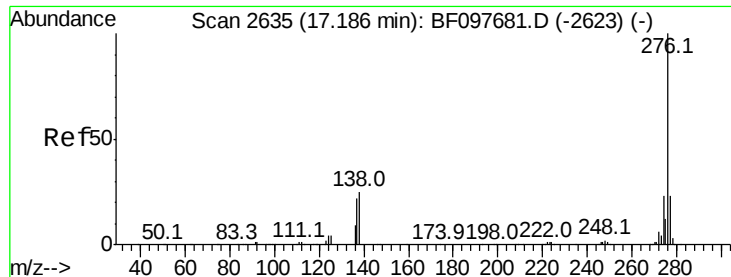
Delta R.T. 0.01 min

Lab File: BF097776.D

Acq: 17 Aug 2017 9:10

Tgt Ion:	252	Resp:	200869
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	13.2	11.0	16.4

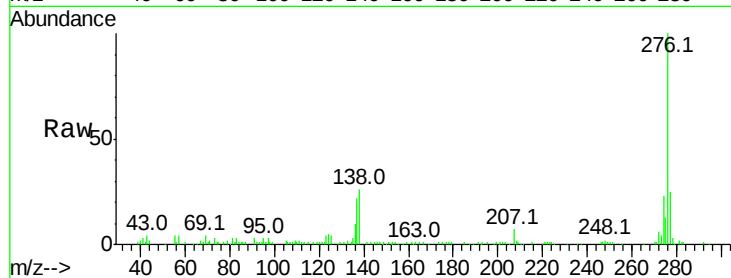




#91
 Benzo(a,h,i)perylene
 Concen: 12.370 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. -0.01 min
 Lab File: BF097776.D
 Acq: 17 Aug 2017 9:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	25.7	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

