

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099119.D
 Acq On : 5 Oct 2017 22:38
 Operator : SJ/JU
 Sample : I5585-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 02:14:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	125093	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	528446	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	228687	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	371112	20.00	ng	0.00
75) Chrysene-d12	14.02	240	220286	20.00	ng	-0.01
86) Perylene-d12	15.50	264	228419	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	178568	22.72	ng	0.00
7) Phenol-d6	6.48	99	219565	22.65	ng	-0.02
23) Nitrobenzene-d5	7.42	82	128623	15.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	36232	19.36	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	255421	18.65	ng	-0.01
78) Terphenyl-d14	12.96	244	159682	16.49	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.40	88	128	0.03	ng	# 1
6) Aniline	6.63	93	219	0.02	ng	# 1
9) Benzaldehyde	6.42	77	792	0.14	ng	# 63
10) Phenol	6.50	94	4723	0.44	ng	# 92
11) bis(2-Chloroethyl)ether	6.63	93	219	0.03	ng	# 1
15) Benzyl Alcohol	7.02	79	2161	0.30	ng	# 42
19) n-Nitroso-di-n-propylamine	7.42	70	16593	2.68	ng	# 76
22) Acetophenone	7.27	105	884	0.07	ng	# 54
24) Nitrobenzene	7.44	77	106	0.01	ng	# 38
25) Isophorone	7.42	82	128488	7.54	ng	# 64
31) Naphthalene	8.16	128	13840	0.56	ng	# 98
32) Benzoic acid	8.15	122	115	0.02	ng	# 1
33) 4-Chloroaniline	8.16	127	1702	0.16	ng	# 28
35) Caprolactam	8.56	113	445	0.19	ng	# 55
37) 2-Methylnaphthalene	8.86	142	9477	0.59	ng	# 95
45) 1,1'-Biphenyl	9.32	154	3327	0.17	ng	# 96
46) 2-Chloronaphthalene	9.61	162	145	0.01	ng	# 1
47) 2-Nitroaniline	9.60	65	262	0.06	ng	# 1
48) Acenaphthylene	9.76	152	6212	0.27	ng	# 98
49) Dimethylphthalate	9.61	163	31642	1.83	ng	# 99
50) 2,6-Dinitrotoluene	9.90	165	29444	7.84	ng	# 25
51) Acenaphthene	9.93	154	926	0.06	ng	# 91
54) Dibenzofuran	10.10	168	9886	0.52	ng	# 91
55) 4-Nitrophenol	10.10	139	3851	1.04	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	29444	6.04	ng	# 23
57) Fluorene	10.45	166	1227	0.08	ng	# 69
59) Diethylphthalate	10.31	149	141	0.01	ng	# 61
62) Azobenzene	10.60	77	454	0.03	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.71	198	110	0.05	ng	# 23
65) n-Nitrosodiphenylamine	10.55	169	1101	0.09	ng	# 24
66) 4-Bromophenyl-phenylether	10.69	248	2450	0.67	ng	# 1
70) Phenanthrene	11.41	178	38761	1.95	ng	# 98
71) Anthracene	11.46	178	12953	0.64	ng	# 98
72) Carbazole	11.62	167	3643	0.18	ng	# 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

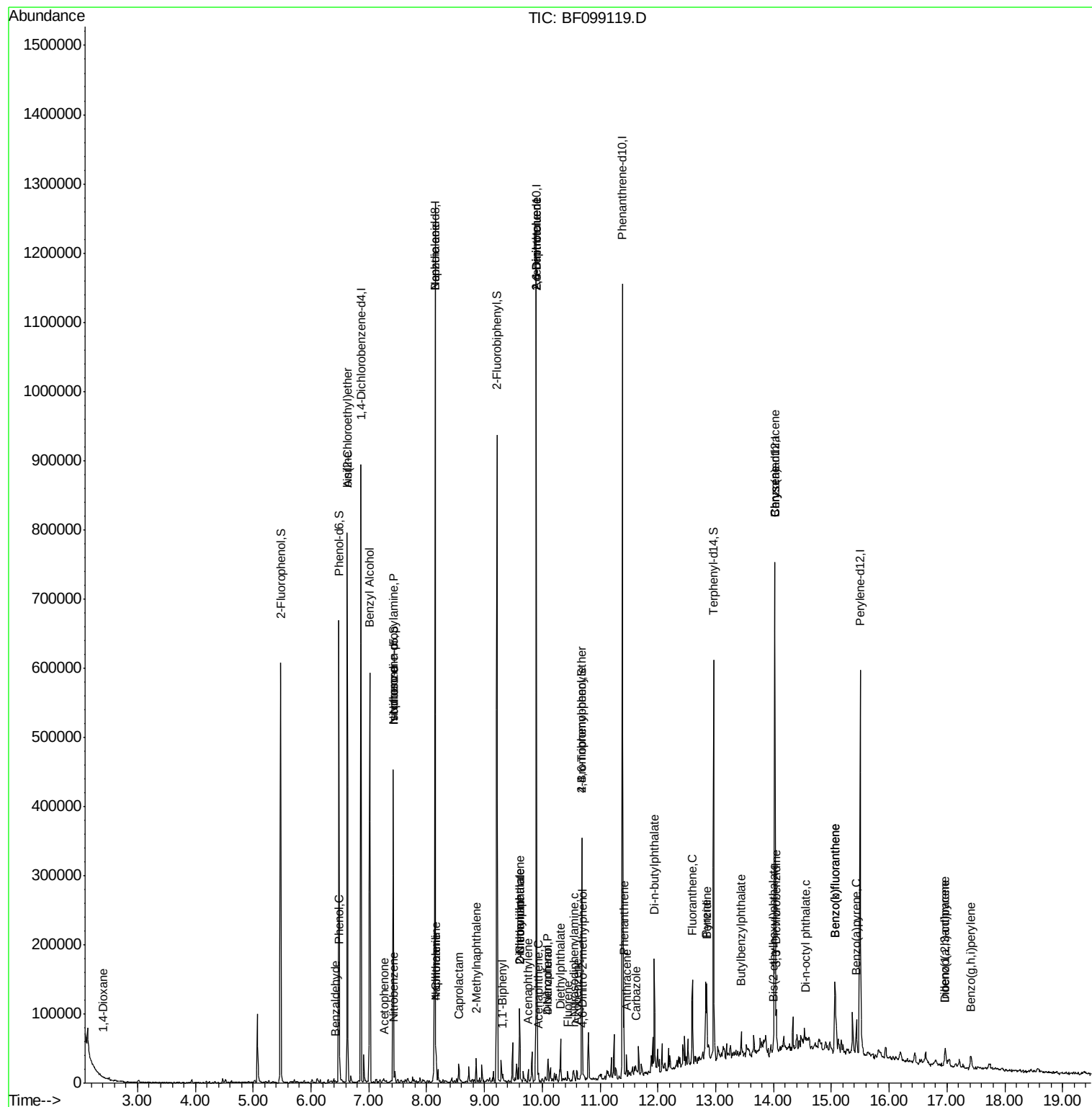
73) Di-n-butylphthalate	11.94	149	68741	2.87	nq	98
74) Fluoranthene	12.60	202	39783	1.98	nq	100
76) Benzidine	12.85	184	157	0.02	nq	# 1
77) Pyrene	12.83	202	36421	2.17	nq	97
79) Butylbenzylphthalate	13.43	149	457	0.06	nq	# 77
80) Benzo(a)anthracene	14.02	228	20203	1.51	nq	# 88
81) 3,3'-Dichlorobenzidine	14.06	252	141	0.03	nq	# 8
82) Chrysene	14.02	228	20203	1.59	nq	92
83) Bis(2-ethylhexyl)phthalate	13.99	149	979	0.09	nq	# 96
84) Di-n-octyl phthalate	14.57	149	1826	0.10	nq	# 69
85) Indeno(1,2,3-cd)pyrene	16.97	276	17942	1.77	nq	99
87) Benzo(b)fluoranthene	15.06	252	57972	4.13	nq	# 93
88) Benzo(k)fluoranthene	15.06	252	57972	4.18	nq	# 96
89) Benzo(a)pyrene	15.43	252	20402	1.58	nq	# 96
90) Dibenzo(a,h)anthracene	16.97	278	5450	0.53	nq	# 81
91) Benzo(g,h,i)perylene	17.42	276	14252	1.40	nq	# 86

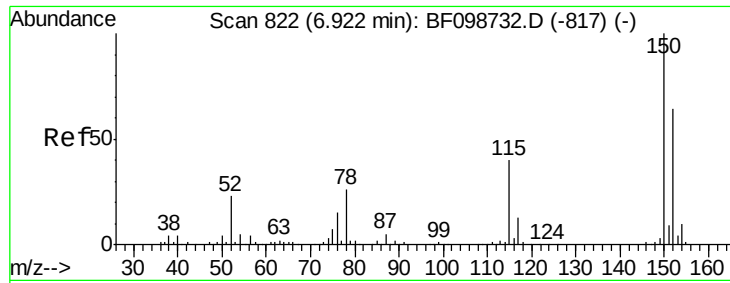
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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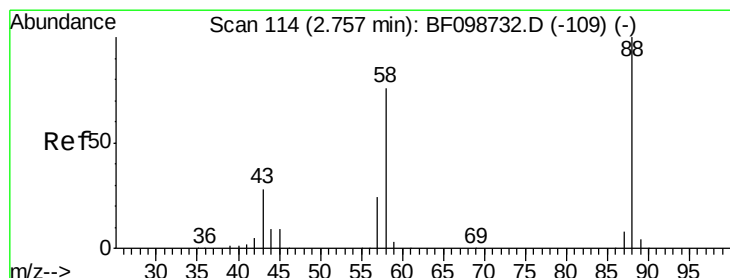
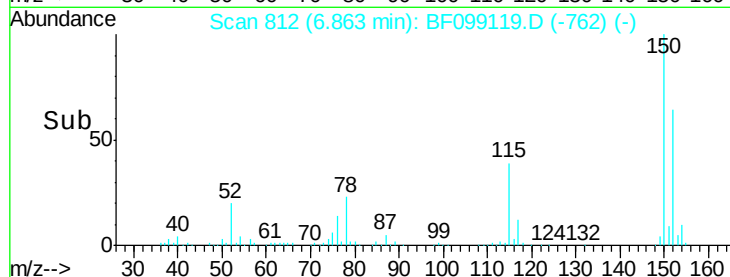
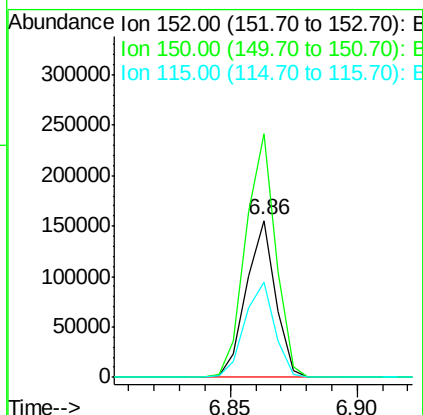
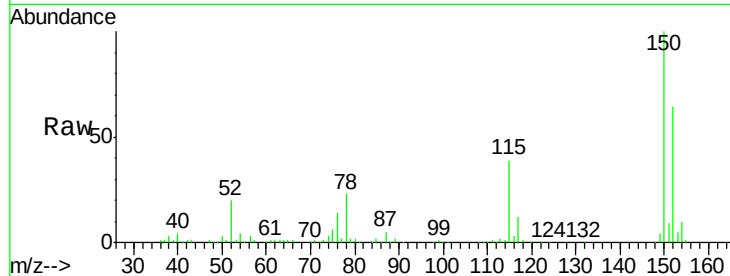


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :

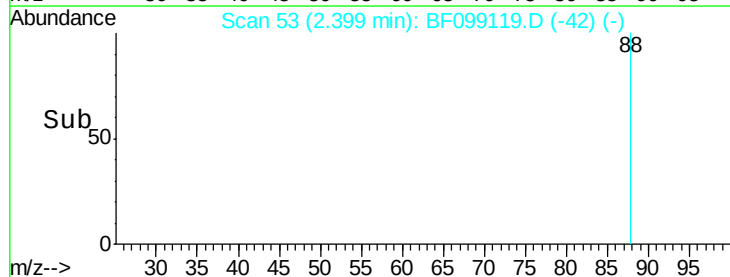
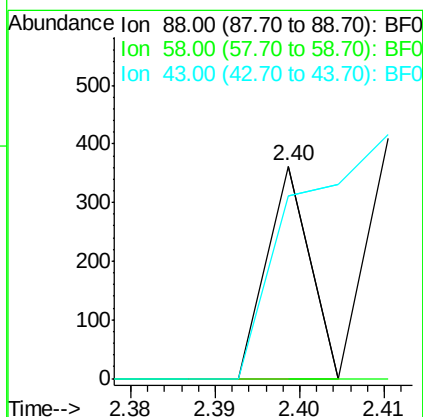
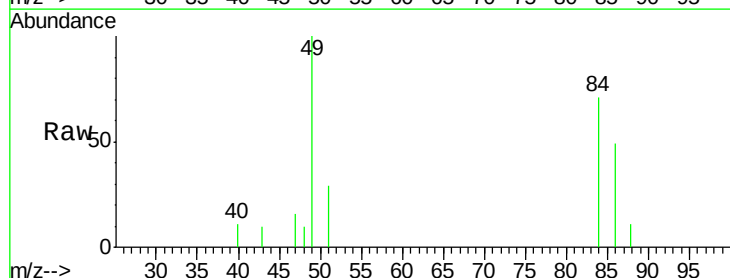
Tot Ion:152 Resp: 125093
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 60.3 50.1 75.1

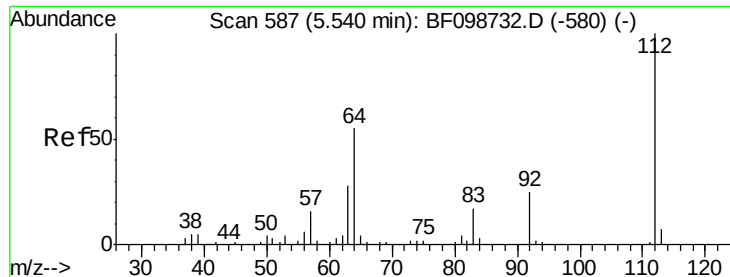


#2

1,4-Dioxane
Concen: 0.03 ng
RT: 2.40 min Scan# 53
Delta R.T. -0.24 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 292.2 24.6 37.0#





#5

2-Fluorophenol

Concen: 22.72 ng

RT: 5.47 min Scan# 576

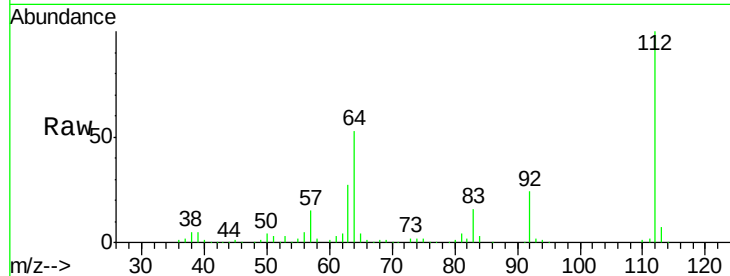
Delta R.T. -0.01 min

Lab File: BF099119.D

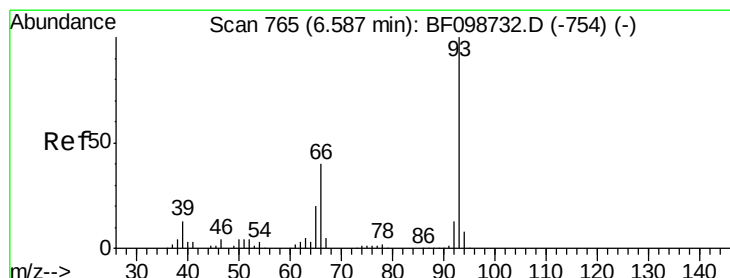
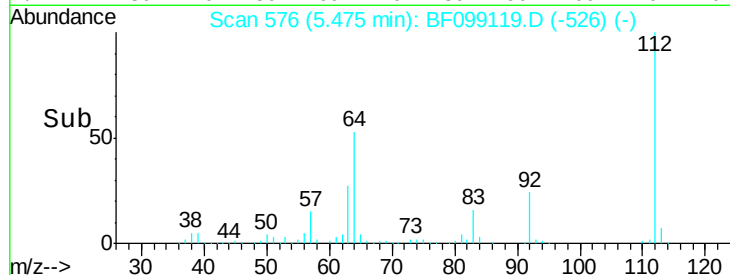
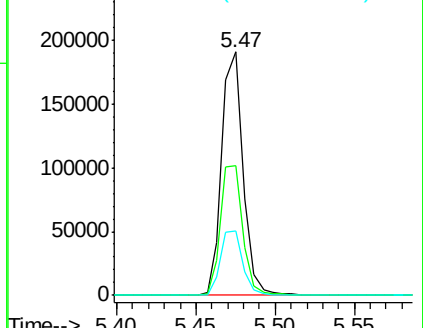
Acq: 5 Oct 2017 22:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:112	Resp:	178568
Ion Ratio	Lower	Upper
112 100		
64 53.3	47.9	71.9
63 26.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 0.02 ng

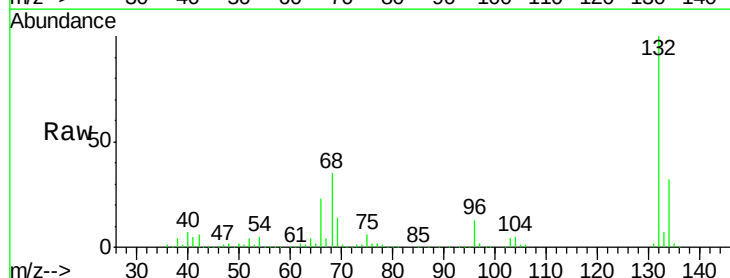
RT: 6.63 min Scan# 772

Delta R.T. 0.09 min

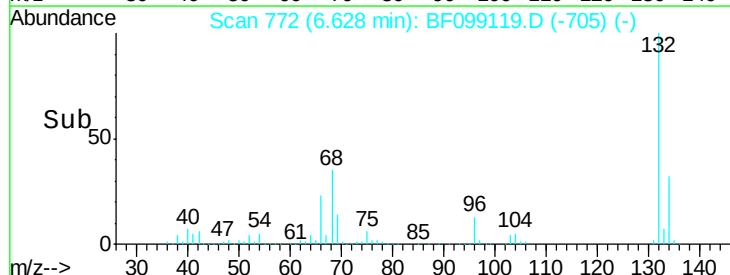
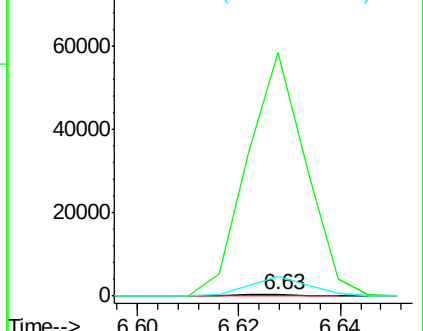
Lab File: BF099119.D

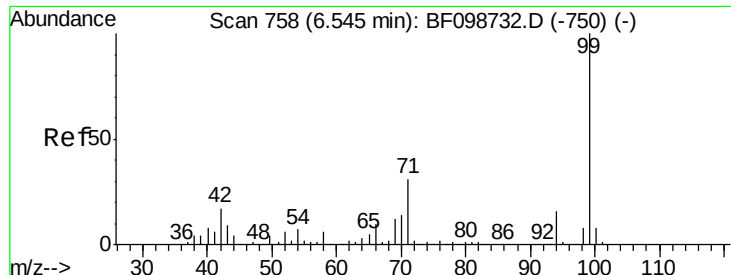
Acq: 5 Oct 2017 22:38

Tgt Ion: 93	Resp:	219
Ion Ratio	Lower	Upper
93 100		
66 18347.3	32.2	48.2#
65 1526.0	16.4	24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 22.65 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

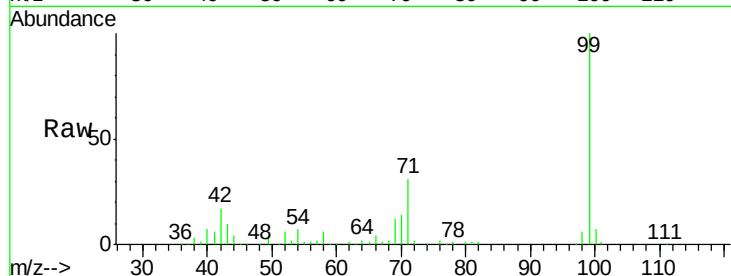
Tot Ion: 99 Resp: 219565

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

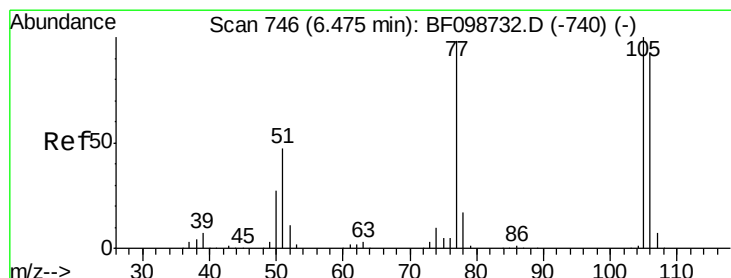
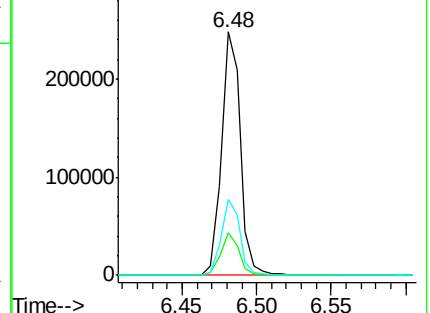
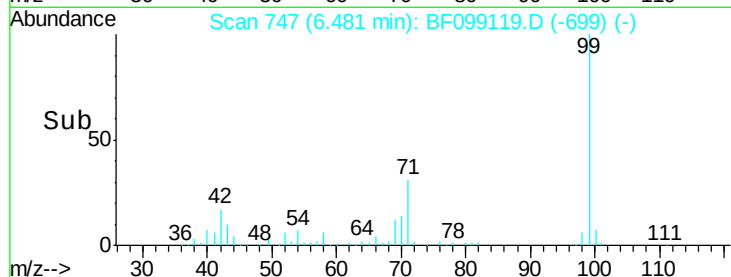
71 31.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 0.14 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

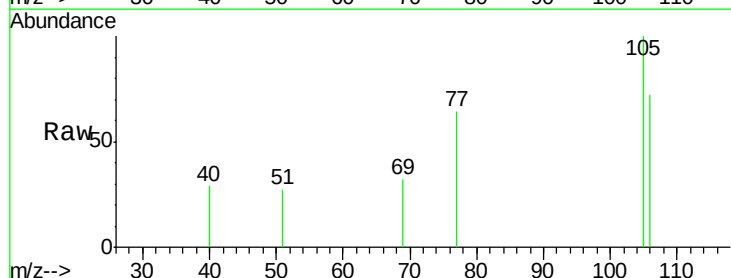
Tgt Ion: 77 Resp: 792

Ion Ratio Lower Upper

77 100

105 156.4 81.1 121.1#

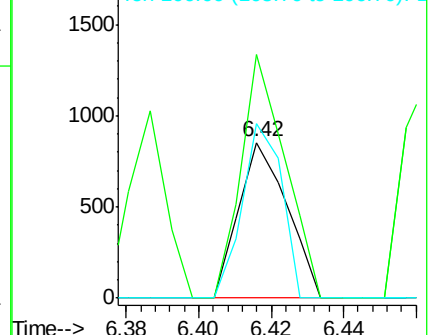
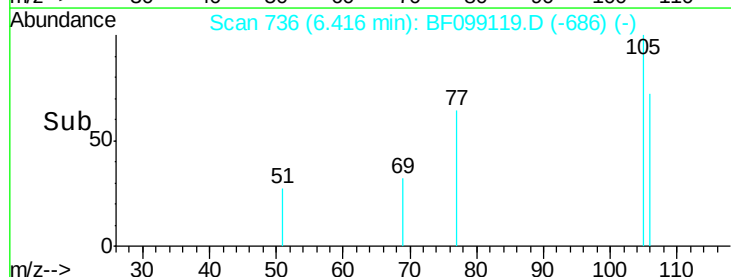
106 112.1 74.5 114.5

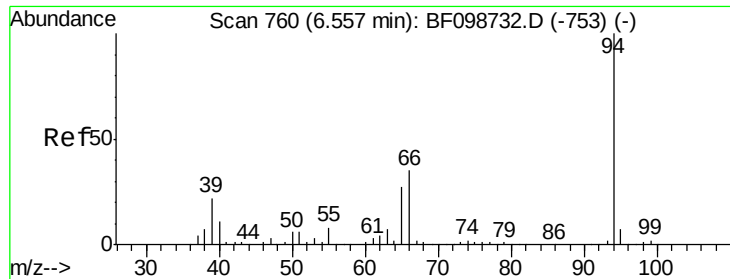


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 0.44 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampled :

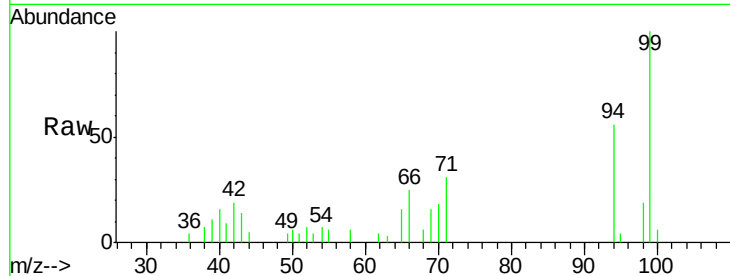
Tot Ion: 94 Resp: 4723

Ion Ratio Lower Upper

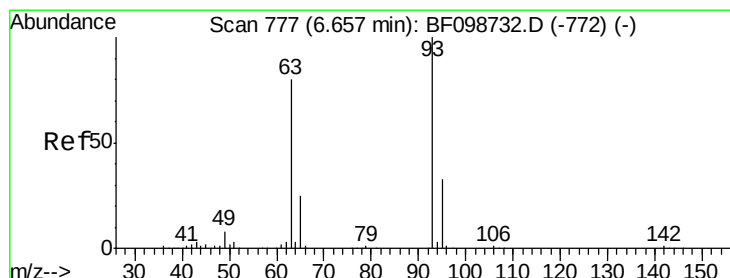
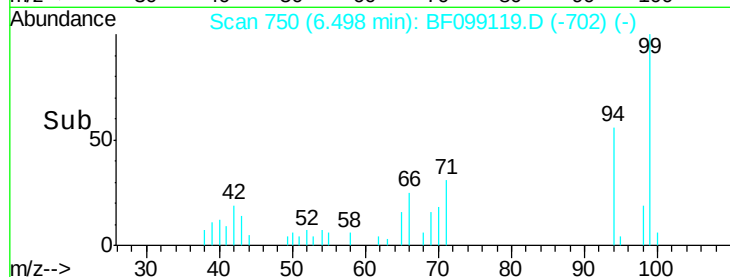
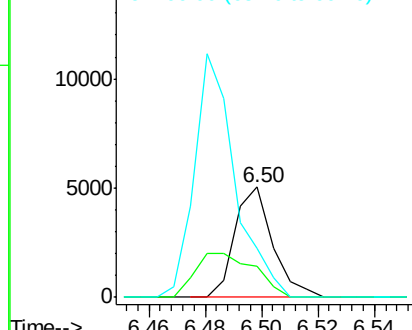
94 100

65 28.8 7.9 47.9

66 44.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

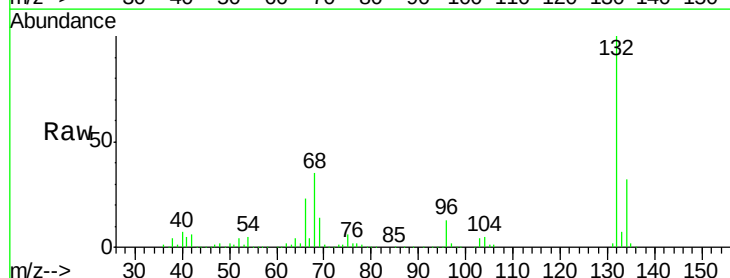
Tgt Ion: 93 Resp: 219

Ion Ratio Lower Upper

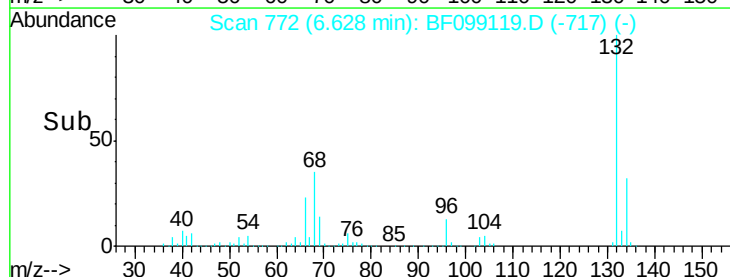
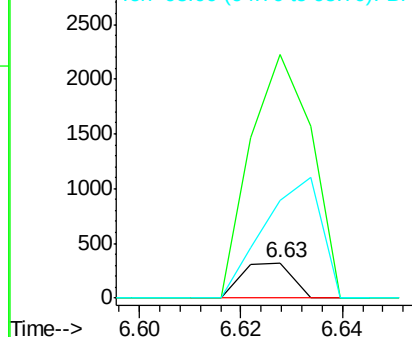
93 100

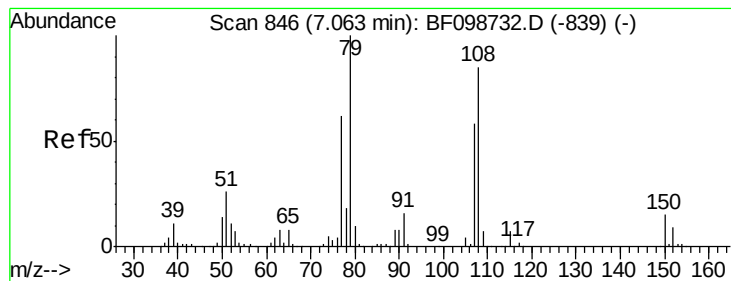
63 697.2 58.6 98.6#

95 279.9 11.8 51.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 0.30 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

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ClientSampleId :

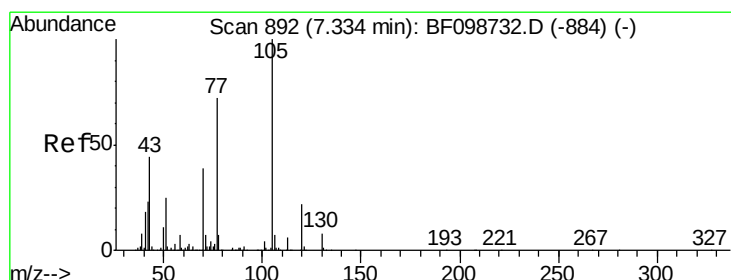
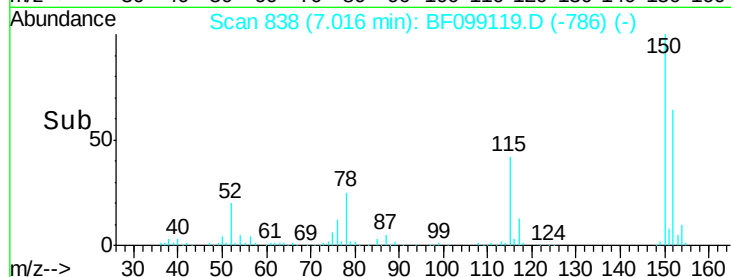
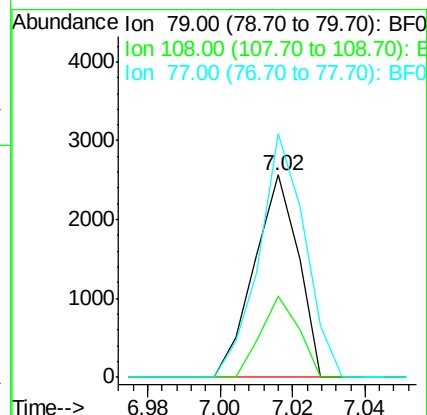
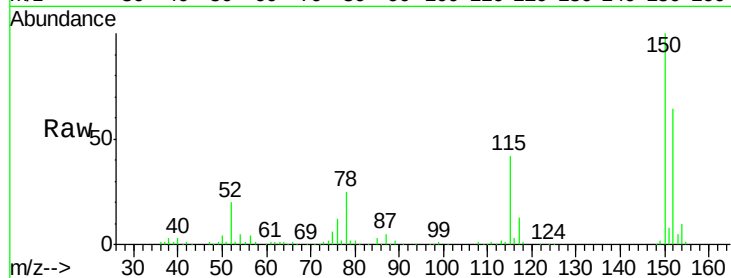
Tot Ion: 79 Resp: 2161

Ion Ratio Lower Upper

79 100

108 40.3 65.1 97.7#

77 120.3 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 2.68 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Tgt Ion: 70 Resp: 16593

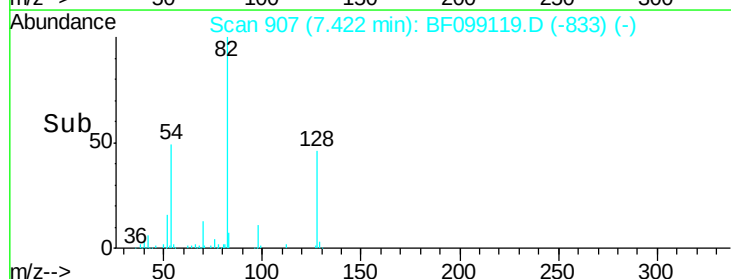
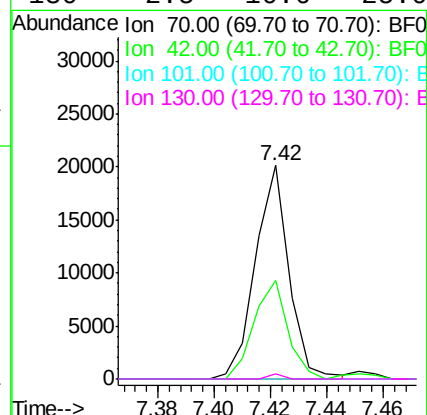
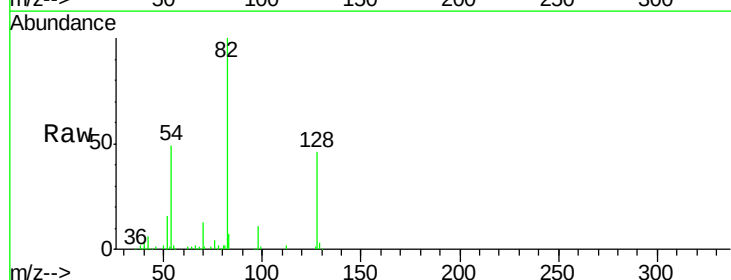
Ion Ratio Lower Upper

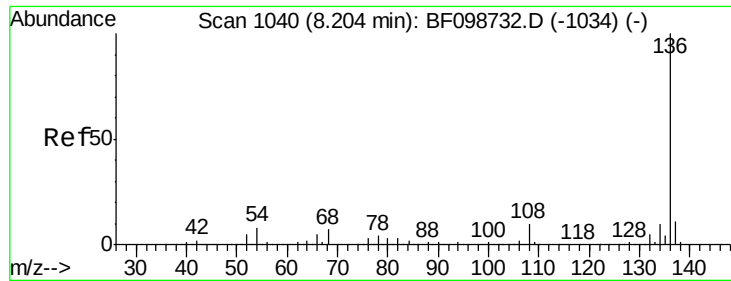
70 100

42 45.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

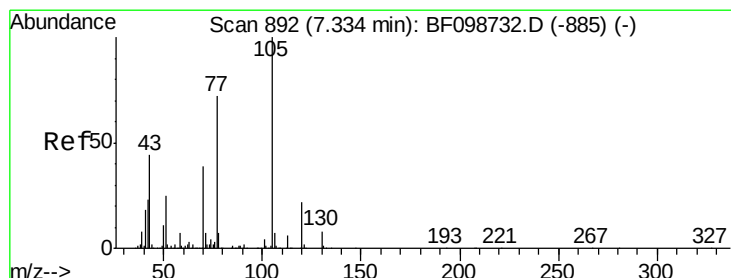
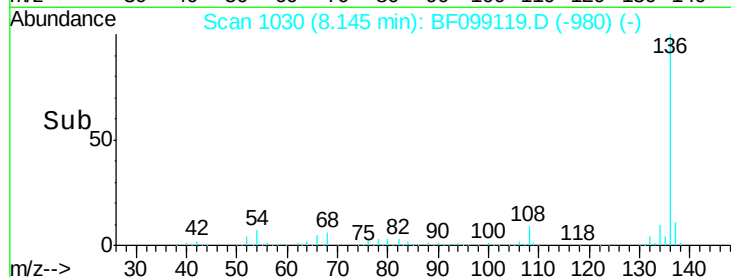
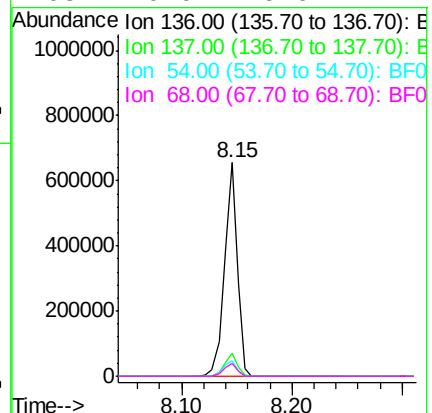
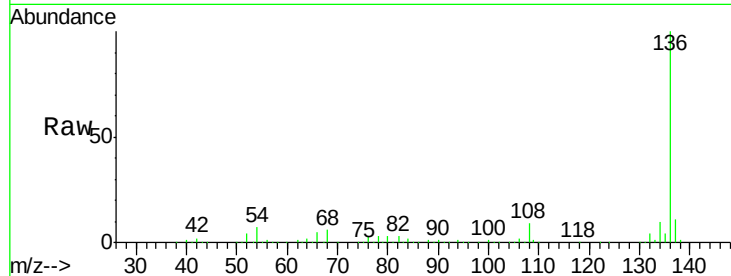




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

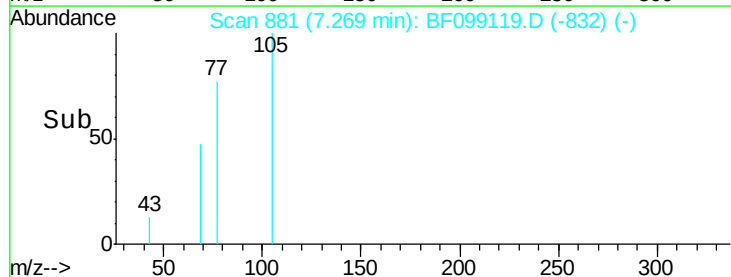
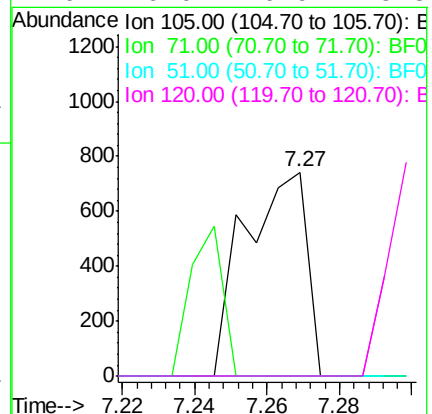
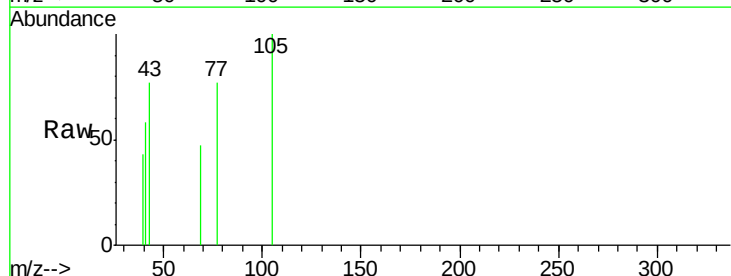
Instrument :
BNA_F
ClientSampleId :

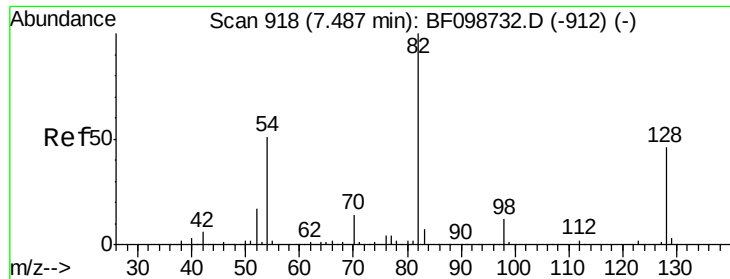
Tot Ion:136	Resp:	528446
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.3	6.6 9.8
68	6.0	5.0 7.4



#22
Acetophenone
Concen: 0.07 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:105	Resp:	884
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.4 6.6#
51	0.0	22.3 33.5#
120	0.0	16.9 25.3#

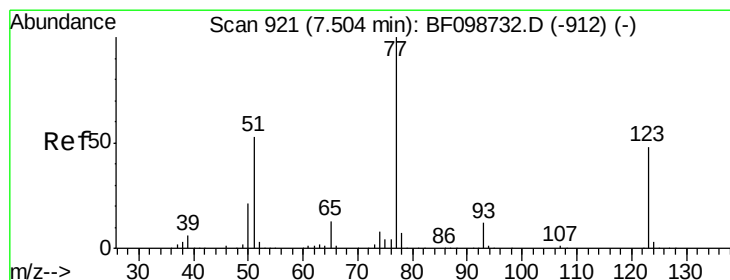
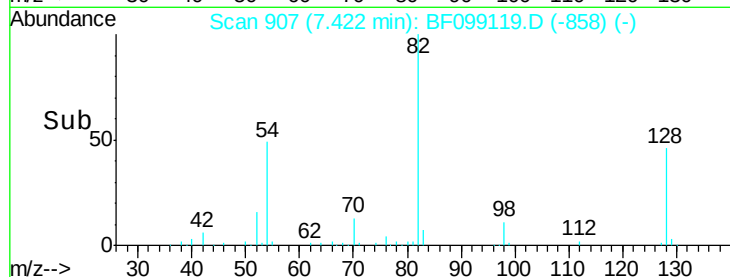
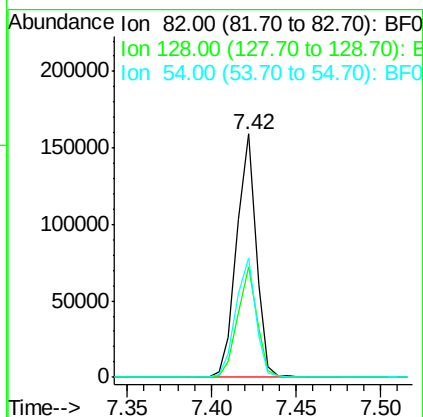
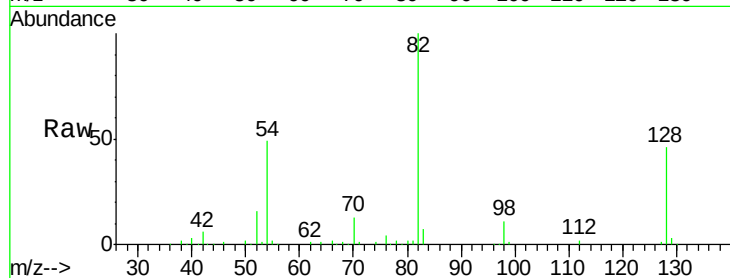




#23
 Nitrobenzene-d5
 Concen: 15.61 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

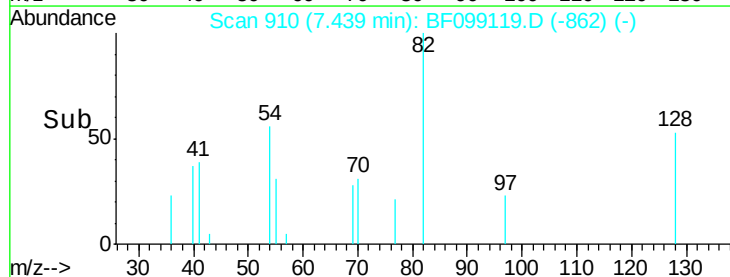
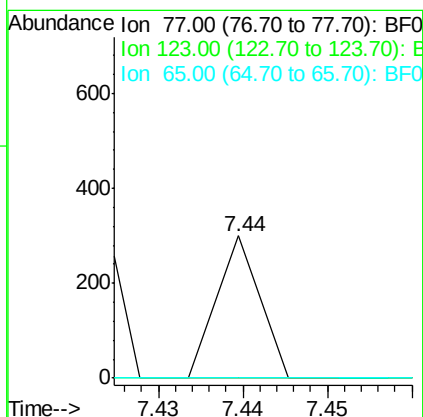
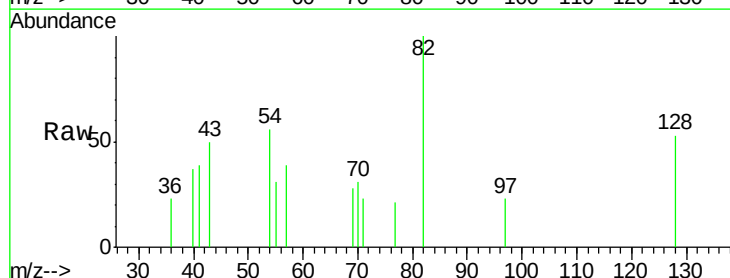
Instrument :
 BNA_F
 ClientSampleId :

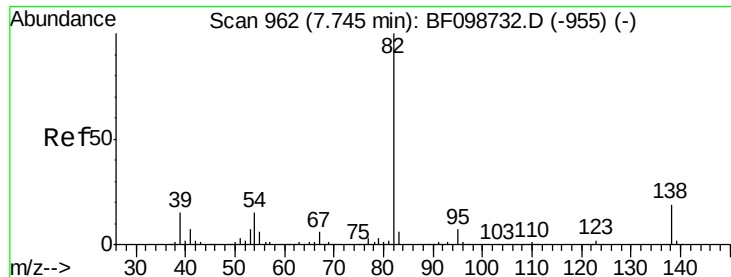
Tot Ion: 82 Resp: 128623
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.1 54.1
 54 48.8 41.4 62.2



#24
 Nitrobenzene
 Concen: 0.01 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

Tgt Ion: 77 Resp: 106
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 0.0 11.0 16.4#





#25

Isophorone

Concen: 7.54 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

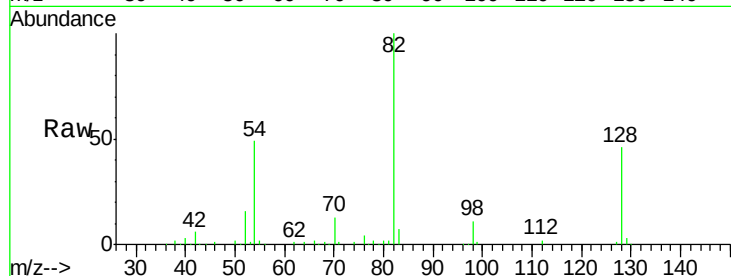
Tot Ion: 82 Resp: 128488

Ion Ratio Lower Upper

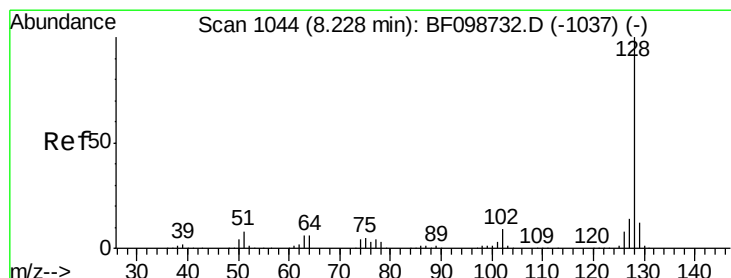
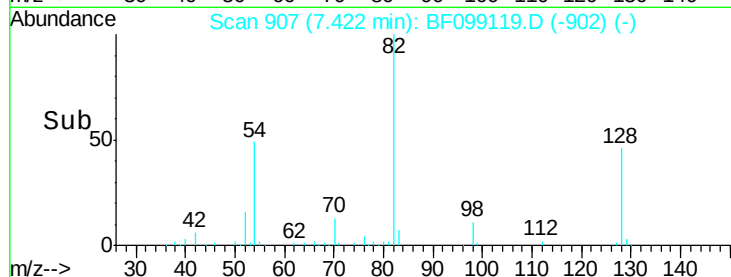
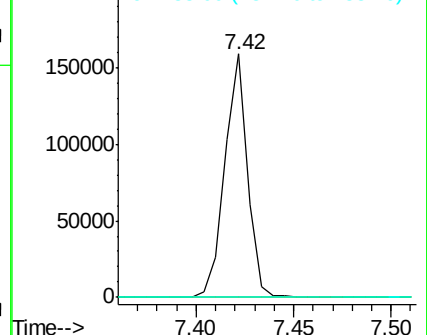
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 0.56 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

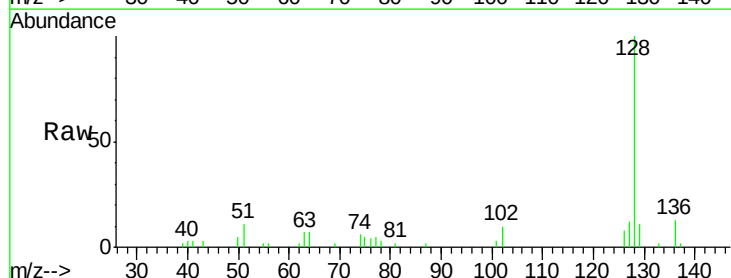
Tgt Ion: 128 Resp: 13840

Ion Ratio Lower Upper

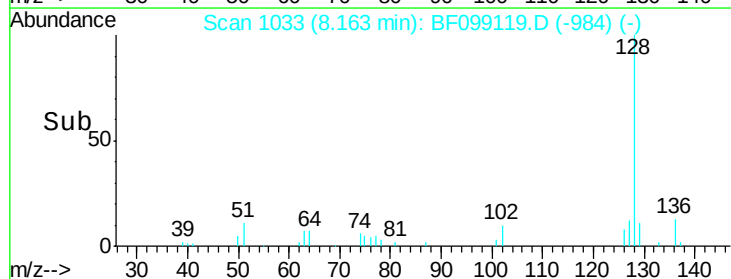
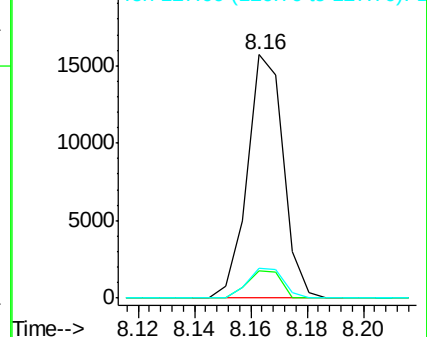
128 100

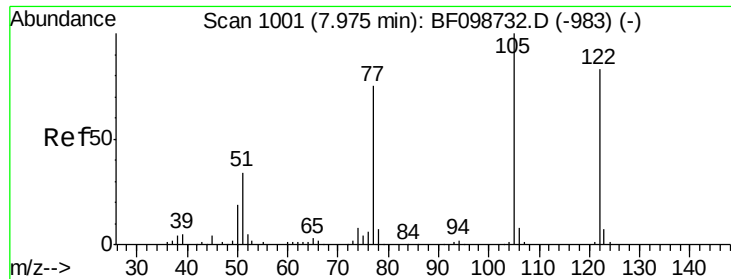
129 11.3 8.8 13.2

127 12.4 10.9 16.3



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

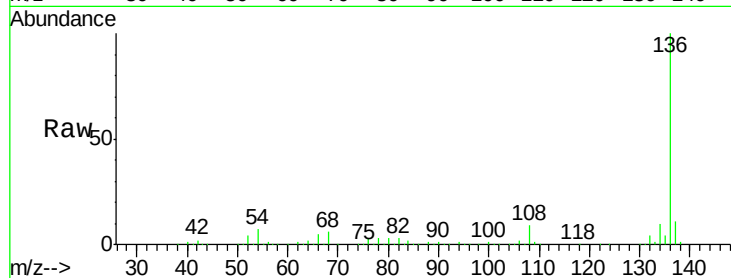




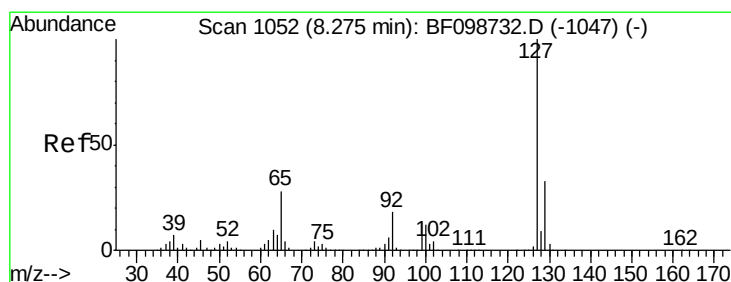
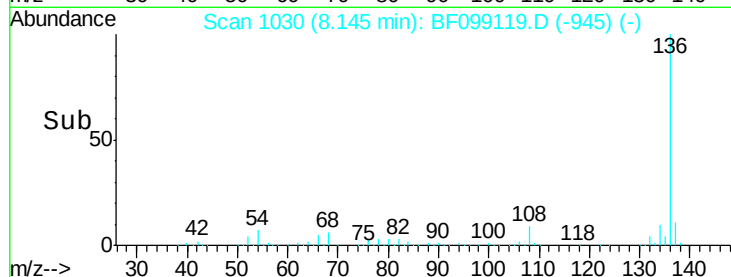
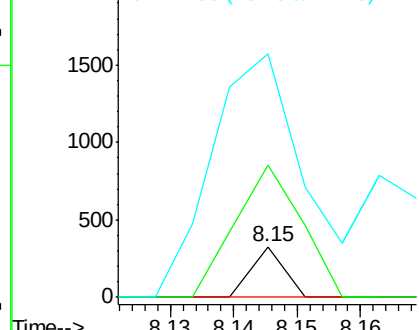
#32
Benzoic acid
Concen: 0.02 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.20 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 115
Ion Ratio Lower Upper
122 100
105 263.2 101.1 141.1#
77 482.2 70.7 110.7#

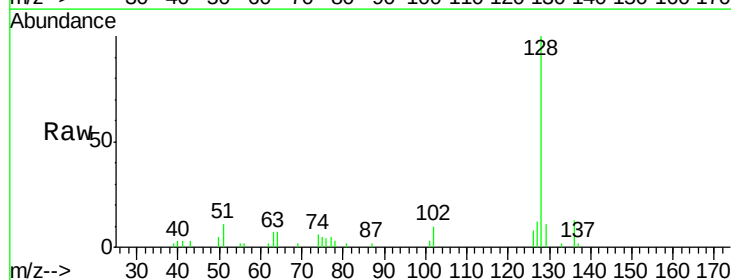


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

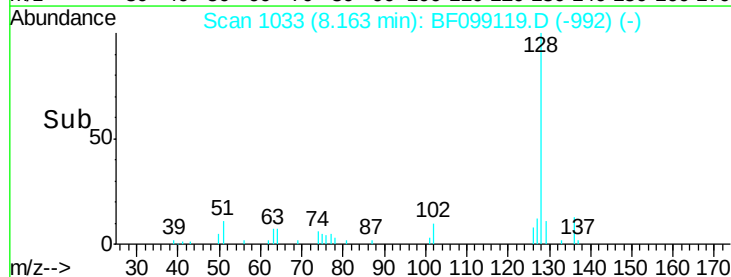
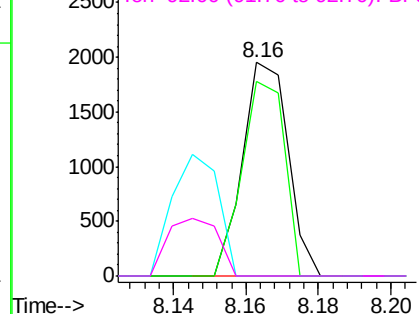


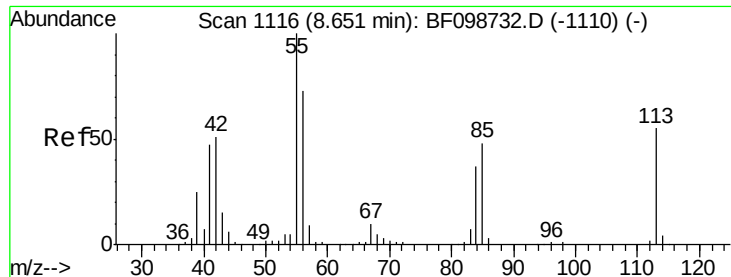
#33
4-Chloroaniline
Concen: 0.16 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:127 Resp: 1702
Ion Ratio Lower Upper
127 100
129 91.0 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

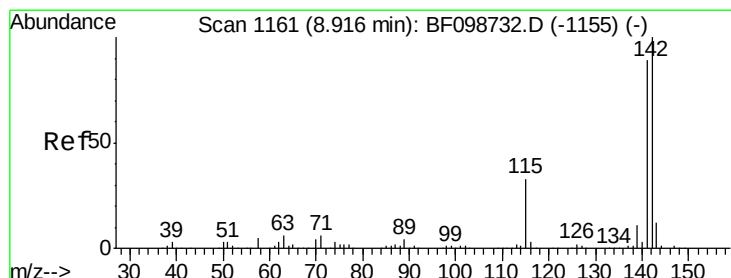
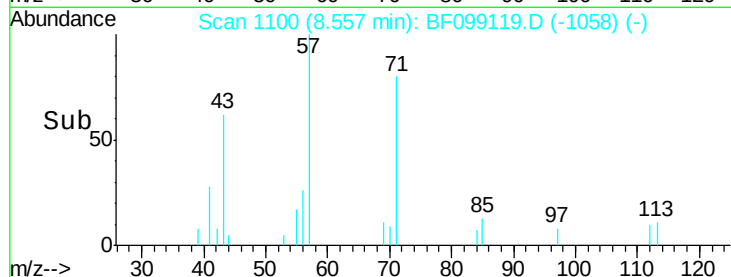
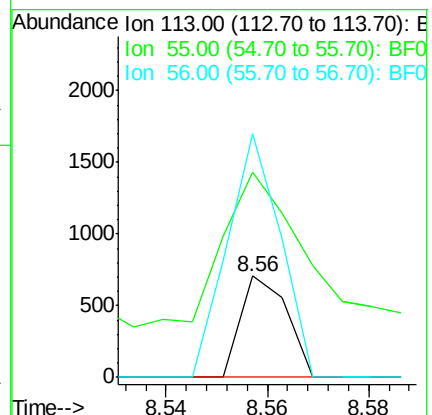
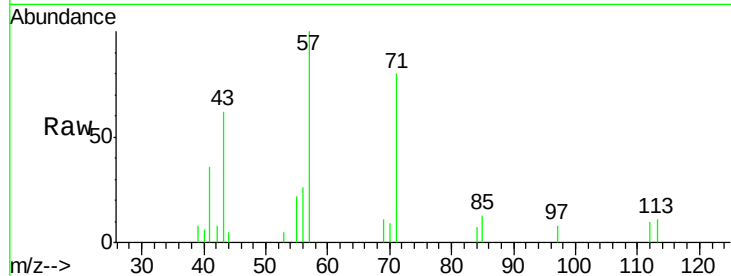




#35
 Caprolactam
 Concen: 0.19 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.05 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

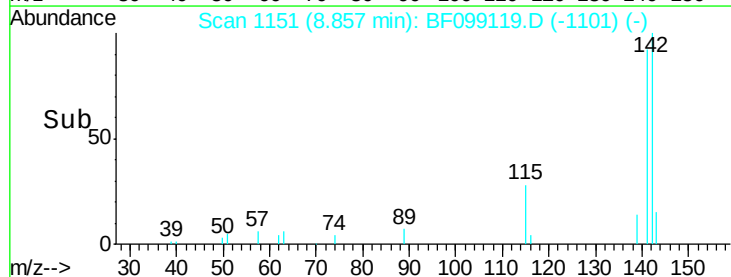
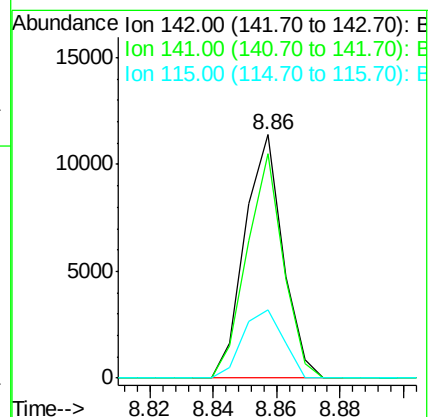
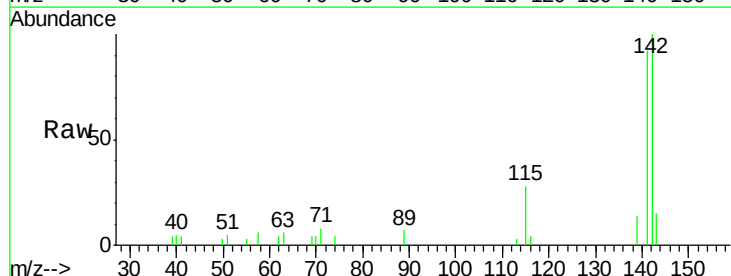
Instrument :
 BNA_F
 ClientSampled :

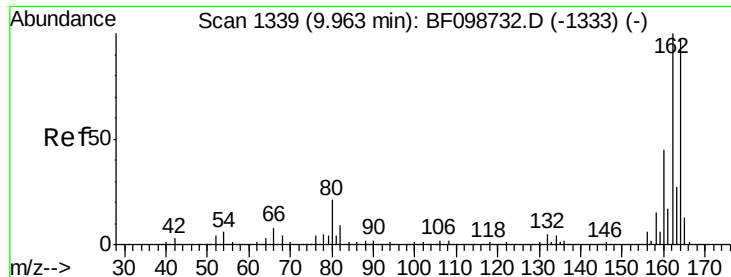
Tot Ion:113 Resp: 445
 Ion Ratio Lower Upper
 113 100
 55 202.5 163.3 203.3
 56 240.7 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 0.59 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

Tgt Ion:142 Resp: 9477
 Ion Ratio Lower Upper
 142 100
 141 92.0 70.8 106.2
 115 28.1 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

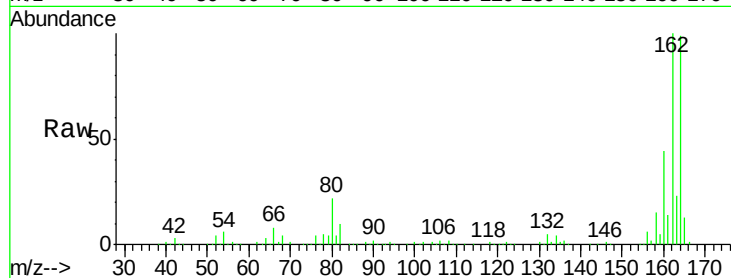
Tot Ion:164 Resp: 228687

Ion Ratio Lower Upper

164 100

162 101.1 86.1 129.1

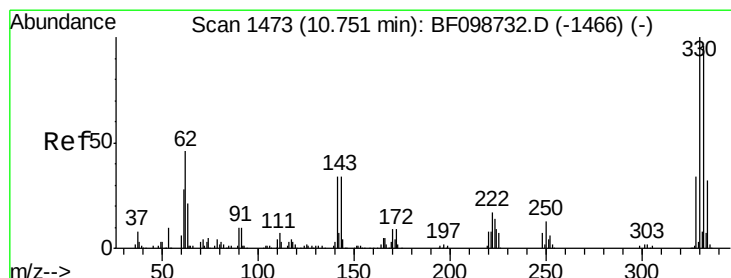
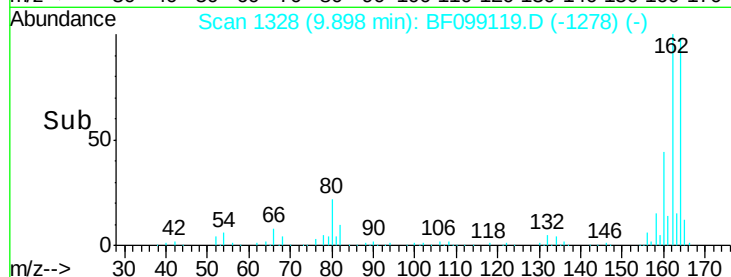
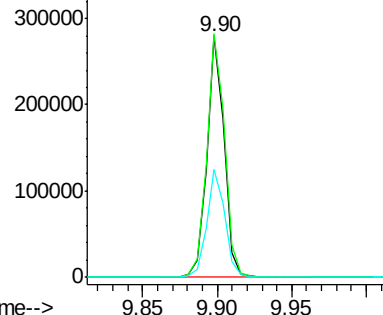
160 44.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 19.36 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

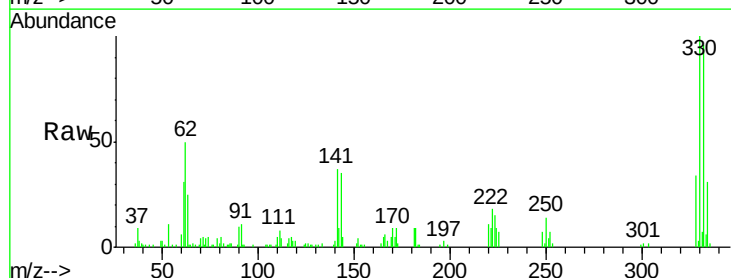
Tgt Ion:330 Resp: 36232

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

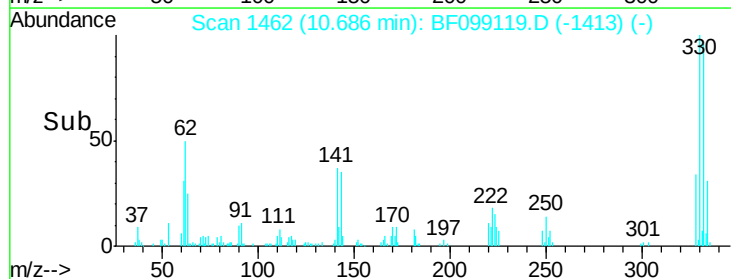
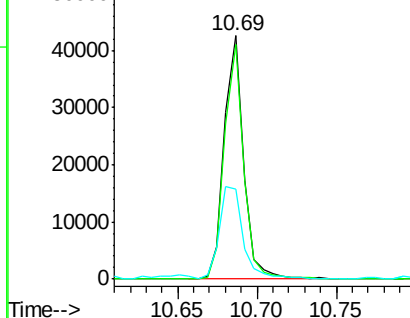
141 46.6 29.9 44.9#

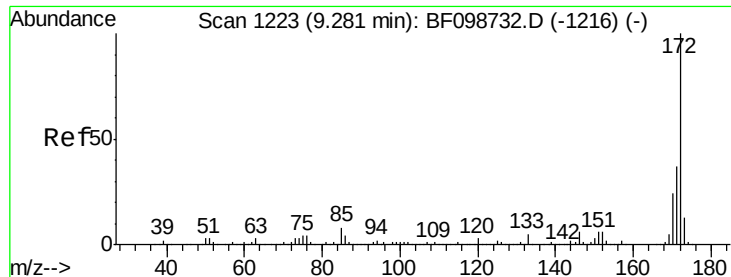


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

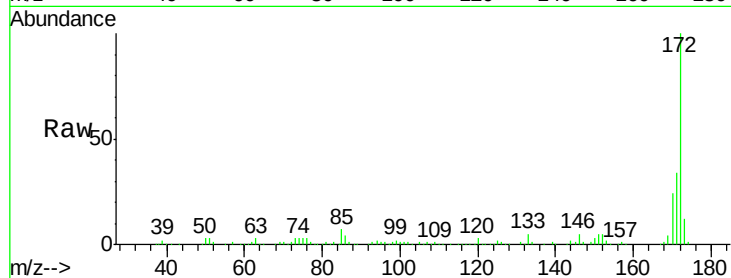




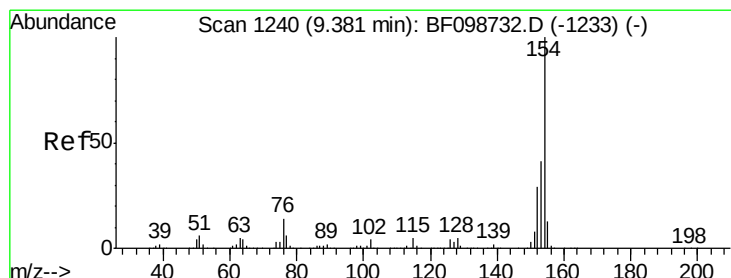
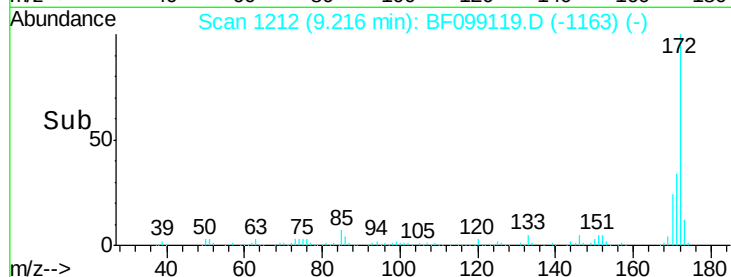
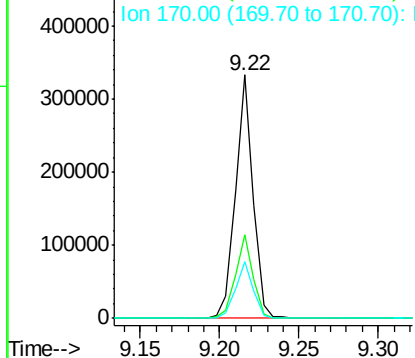
#44
 2-Fluorobiphenyl
 Concen: 18.65 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 255421
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.7 44.5
 170 23.5 19.6 29.4

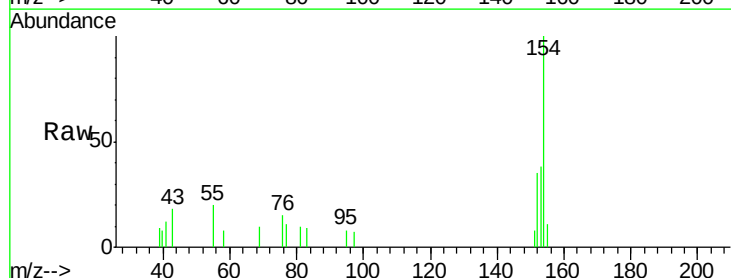


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

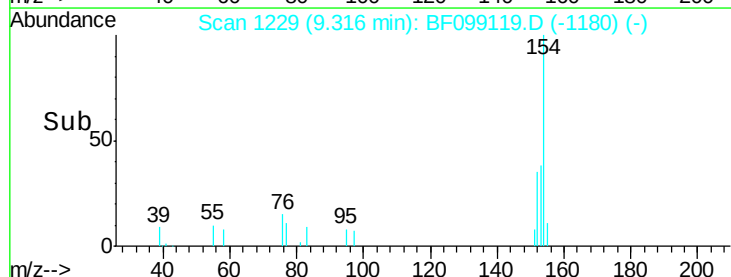
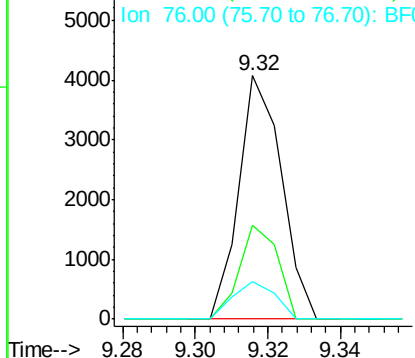


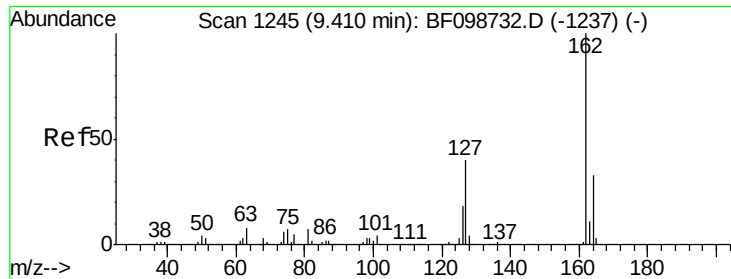
#45
 1,1'-Biphenyl
 Concen: 0.17 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

Tgt Ion:154 Resp: 3327
 Ion Ratio Lower Upper
 154 100
 153 38.4 21.3 61.3
 76 15.2 0.0 34.0



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): BF0

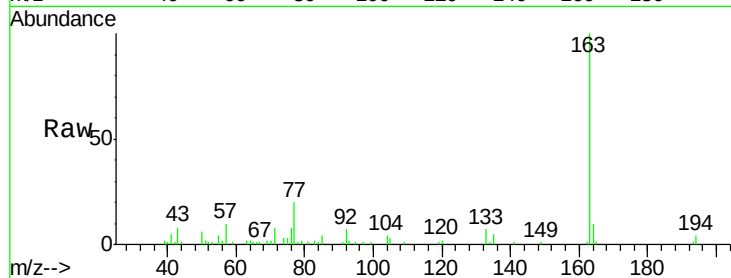




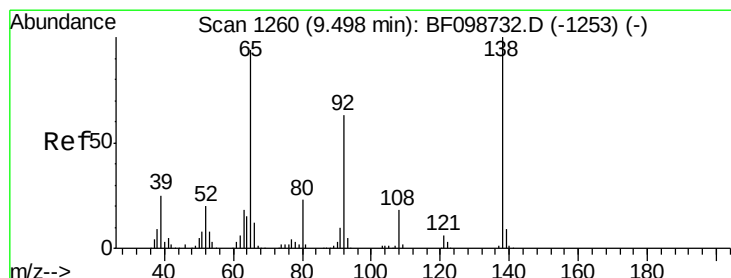
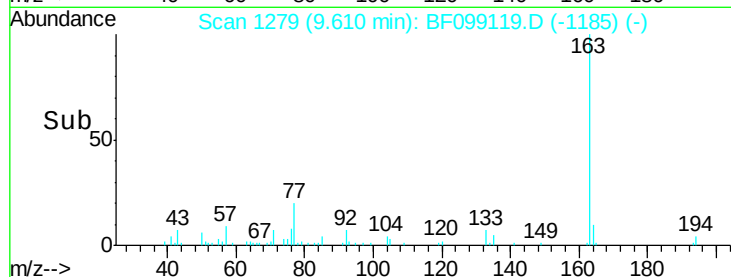
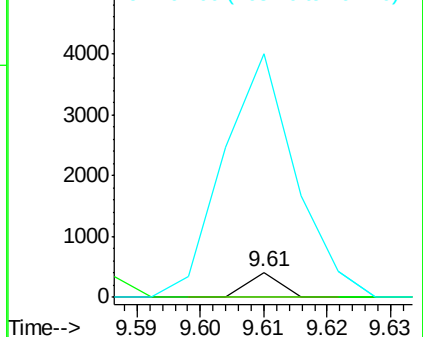
#46
2-Chloronaphthalene
Concen: 0.01 ng
RT: 9.61 min Scan# 1279
Delta R.T. 0.25 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:162 Resp: 145
Ion Ratio Lower Upper
162 100
127 0.0 33.9 50.9#
164 970.1 26.5 39.7#

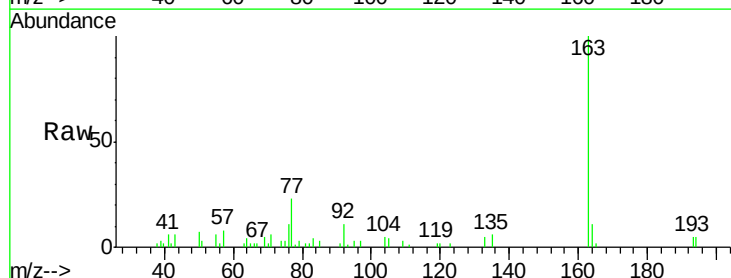


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

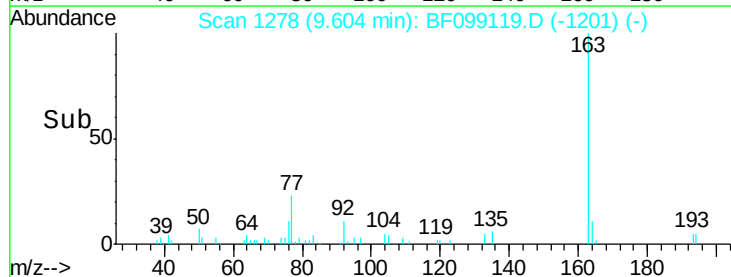
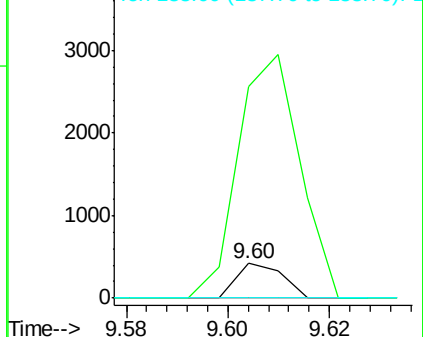


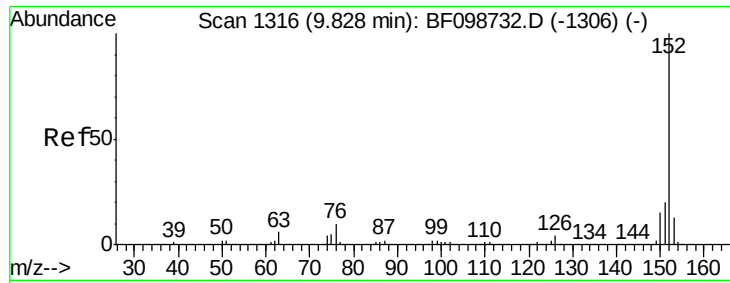
#47
2-Nitroaniline
Concen: 0.06 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.15 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion: 65 Resp: 262
Ion Ratio Lower Upper
65 100
92 613.2 55.8 83.6#
138 0.0 91.2 136.8#



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: 0.27 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

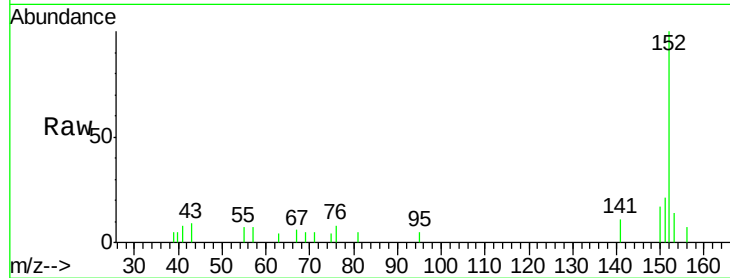
Tot Ion:152 Resp: 6212

Ion Ratio Lower Upper

152 100

151 21.2 16.3 24.5

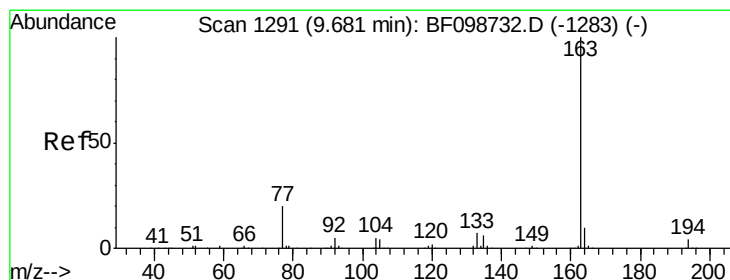
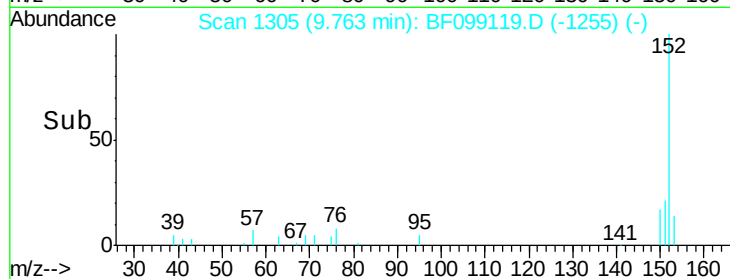
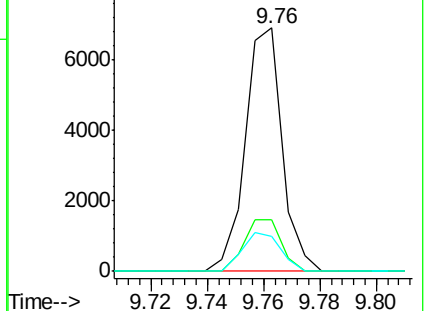
153 14.1 10.7 16.1



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



#49

Dimethylphthalate

Concen: 1.83 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

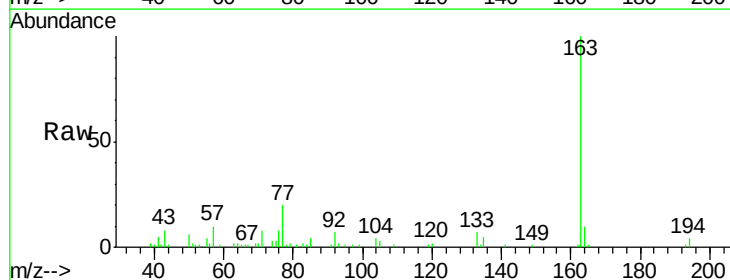
Tgt Ion:163 Resp: 31642

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

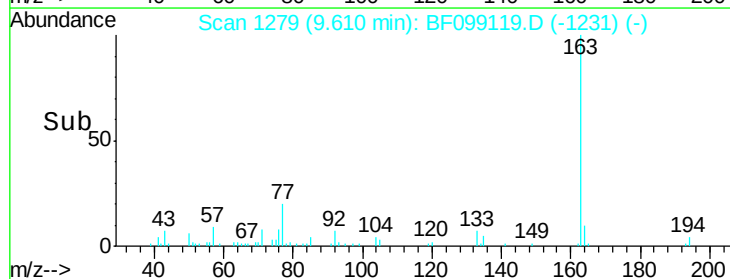
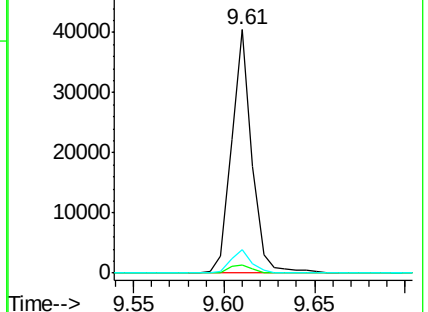
164 9.9 8.2 12.2

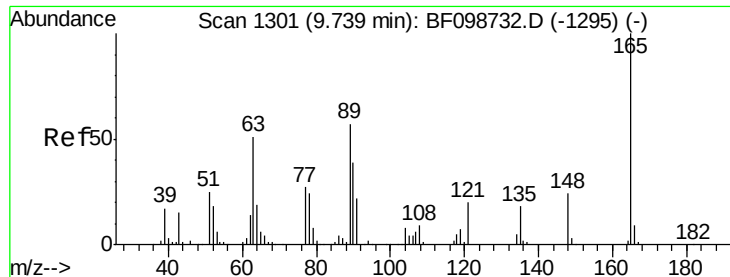


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

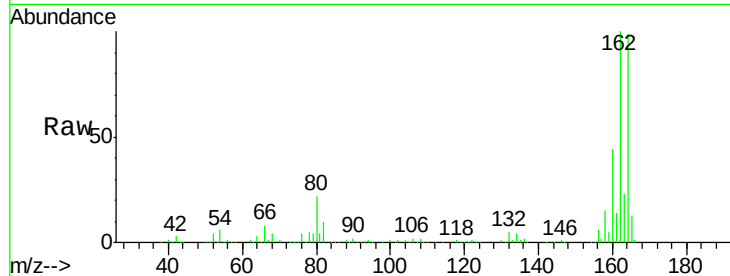




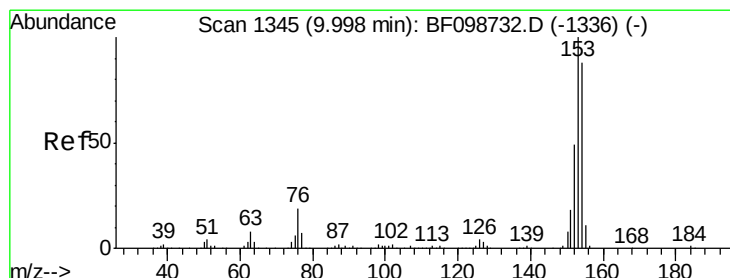
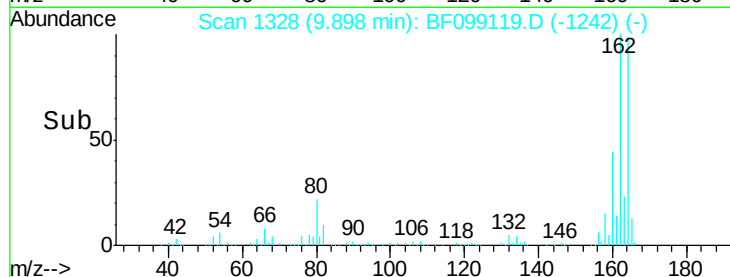
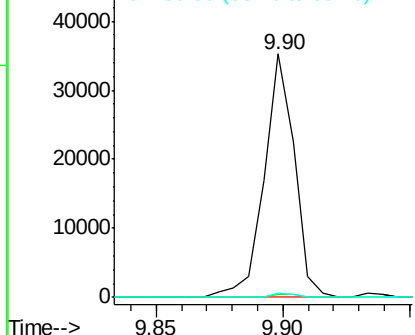
#50
2,6-Dinitrotoluene
Concen: 7.84 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 29444
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.7 44.0 66.0#

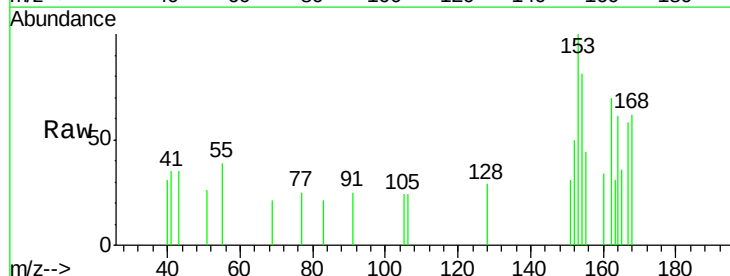


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

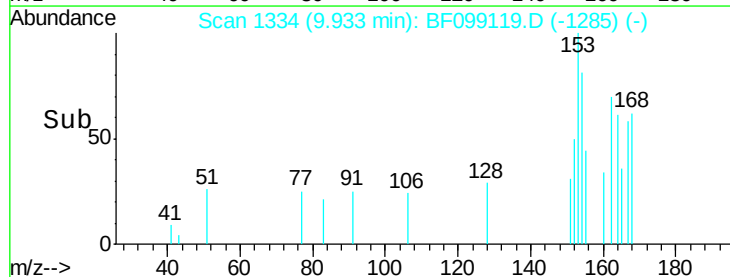
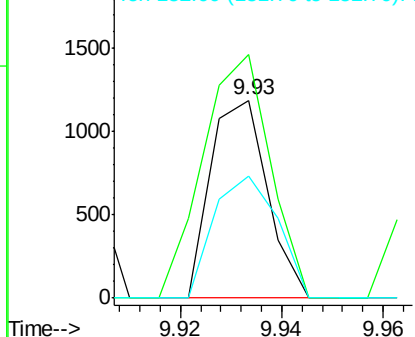


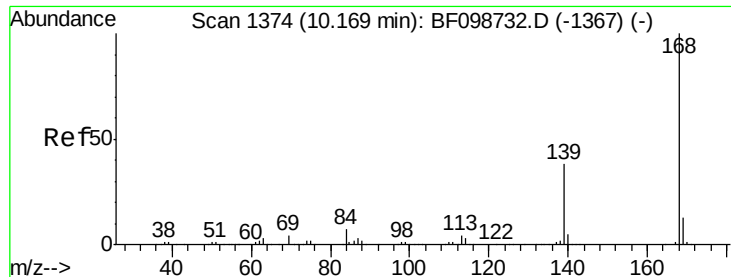
#51
Acenaphthene
Concen: 0.06 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:154 Resp: 926
Ion Ratio Lower Upper
154 100
153 122.9 91.2 136.8
152 61.6 43.8 65.8



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





#54

Dibenzofuran

Concen: 0.52 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

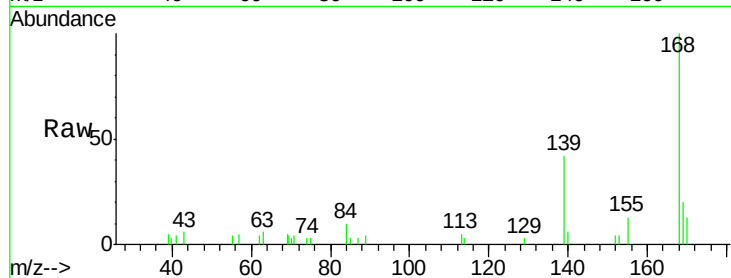
Tot Ion:168 Resp: 9886

Ion Ratio Lower Upper

168 100

139 41.5 30.1 45.1

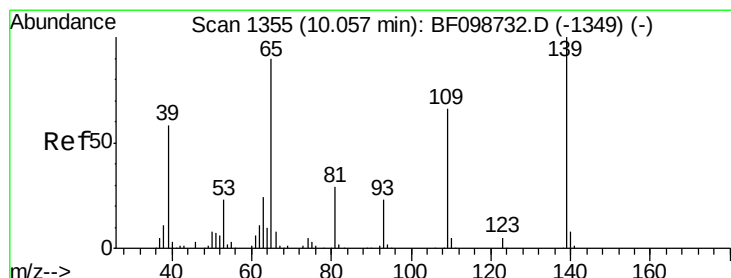
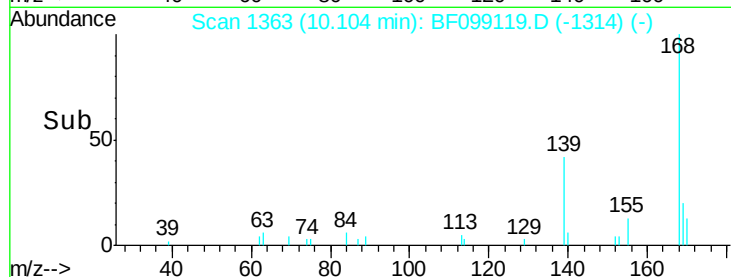
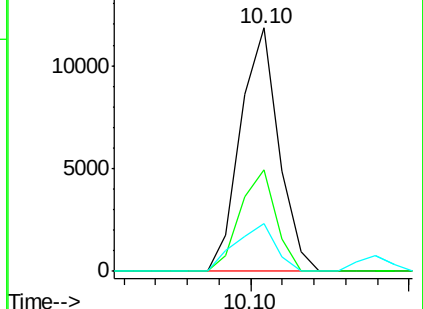
169 19.7 10.9 16.3#



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: 1.04 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.08 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

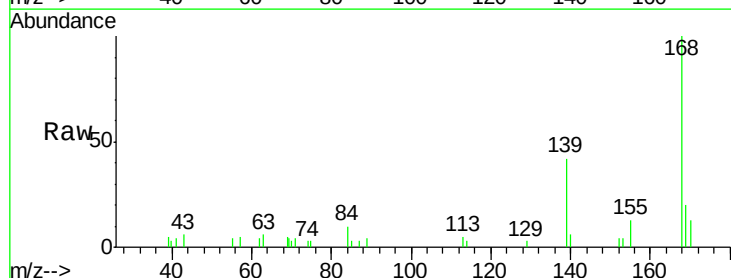
Tgt Ion:139 Resp: 3851

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

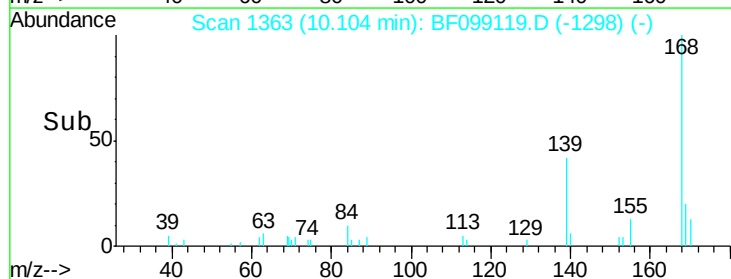
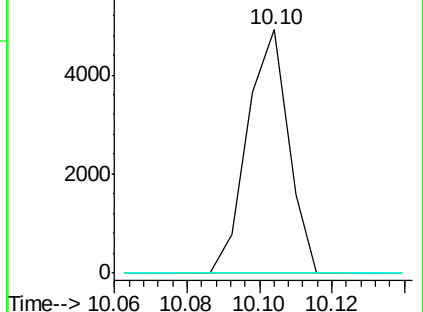
65 0.0 72.6 112.6#

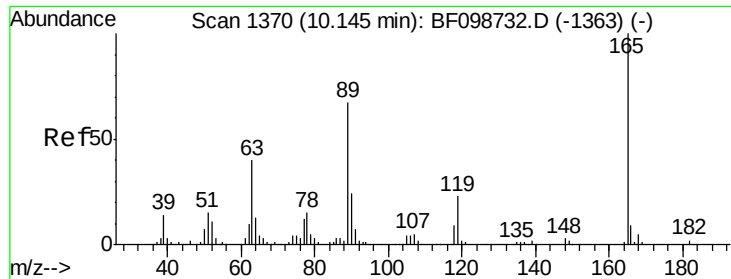


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

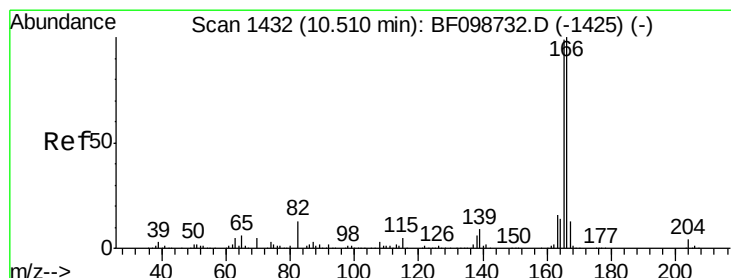
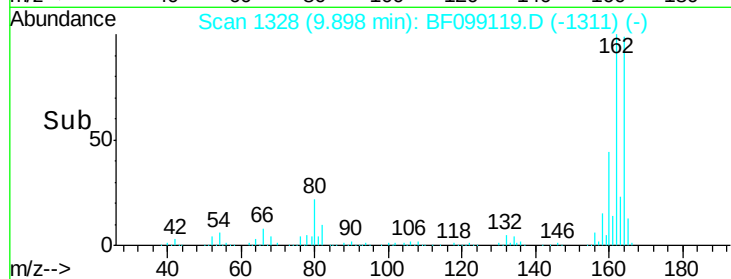
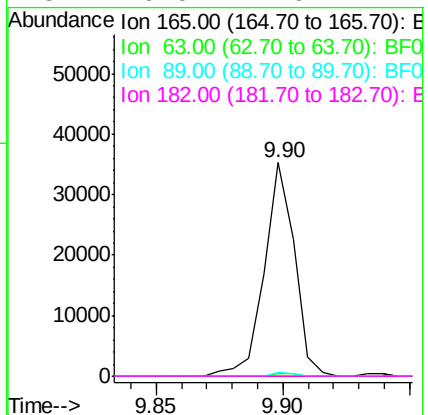
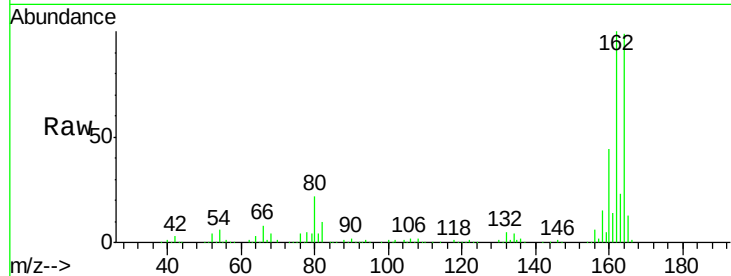




#56
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

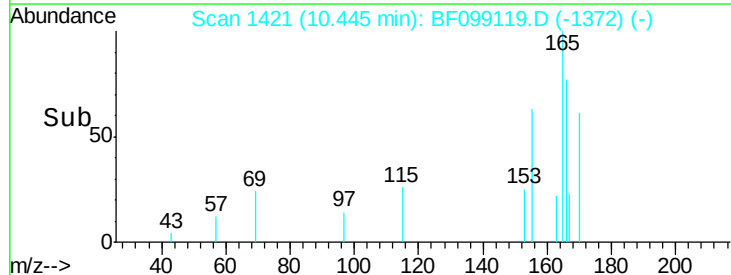
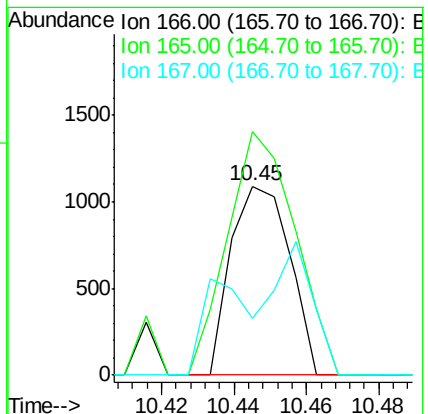
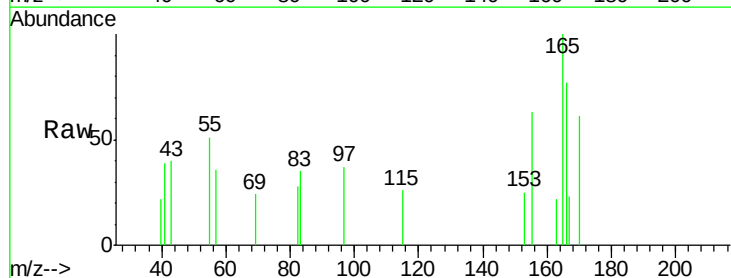
Instrument :
BNA_F
ClientSampled :

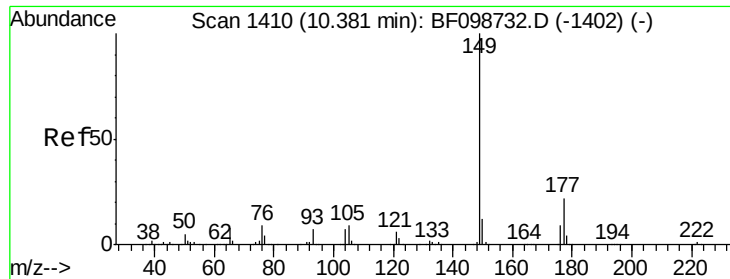
Tot Ion:165	Resp:	29444
Ion Ratio	Lower	Upper
165	100	
63	1.0	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 0.08 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:166	Resp:	1227
Ion Ratio	Lower	Upper
166	100	
165	129.1	79.8 119.8#
167	30.0	10.6 16.0#





#59

Diethylphthalate

Concen: 0.01 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

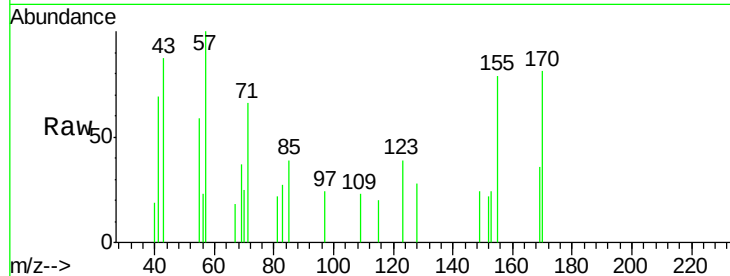
Tot Ion:149 Resp: 141

Ion Ratio Lower Upper

149 100

177 0.0 16.1 24.1#

150 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

10.31

400

300

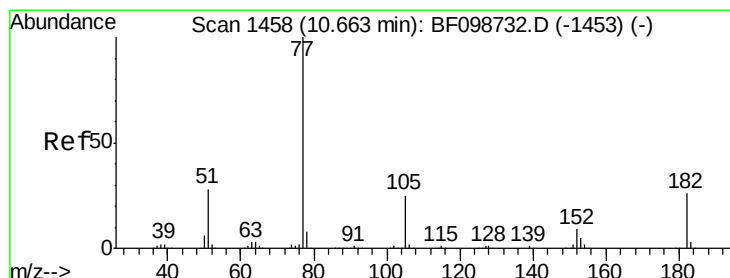
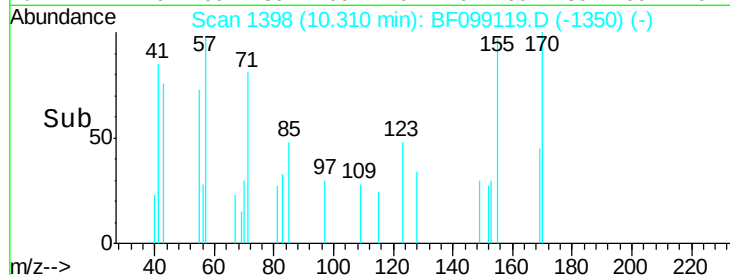
200

100

0

10.30 10.32

Time-->



#62

Azobenzene

Concen: 0.03 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Tgt Ion: 77 Resp: 454

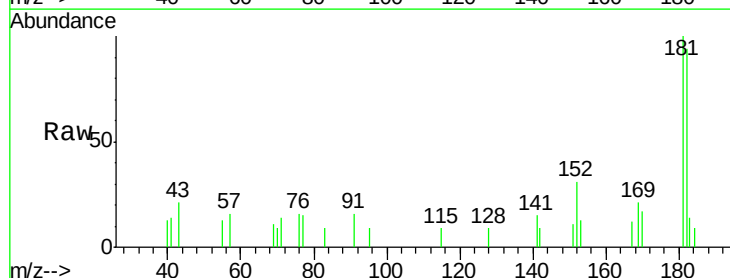
Ion Ratio Lower Upper

77 100

182 639.4 1.7 41.7#

105 0.0 3.0 43.0#

51 0.0 9.9 49.9#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

6000

5000

4000

3000

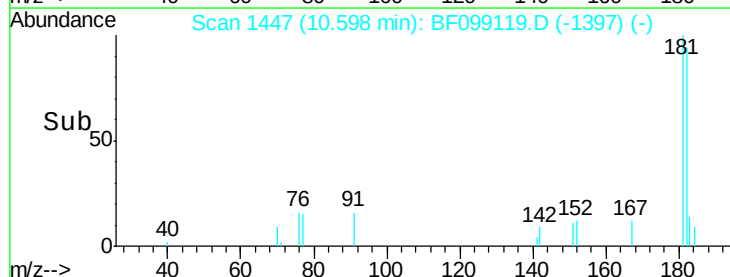
2000

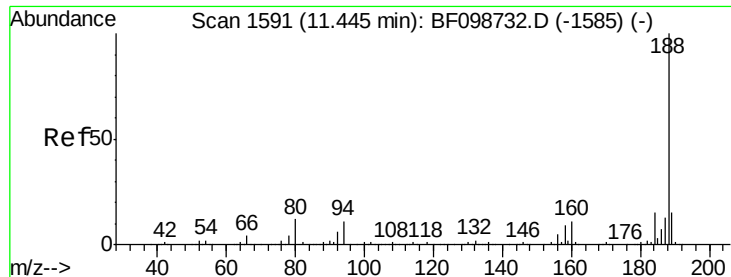
1000

0

10.58 10.60 10.62

Time-->

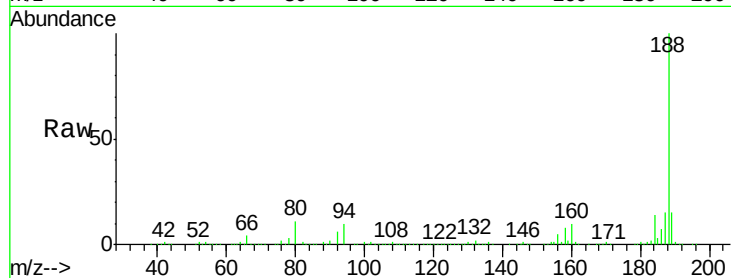




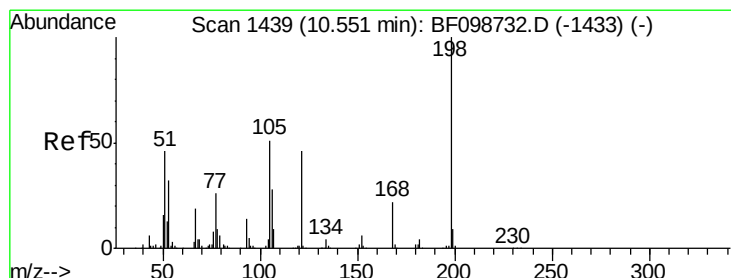
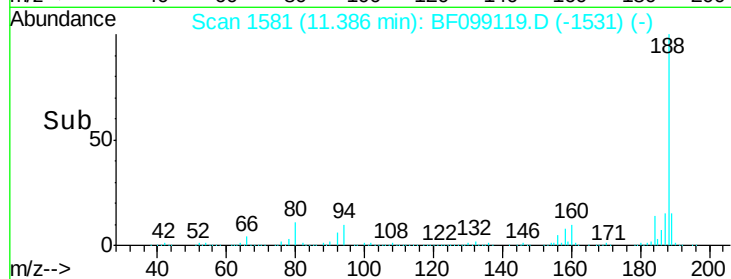
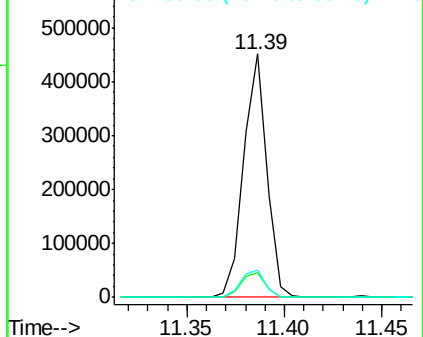
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 371112
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.2 9.2 13.8

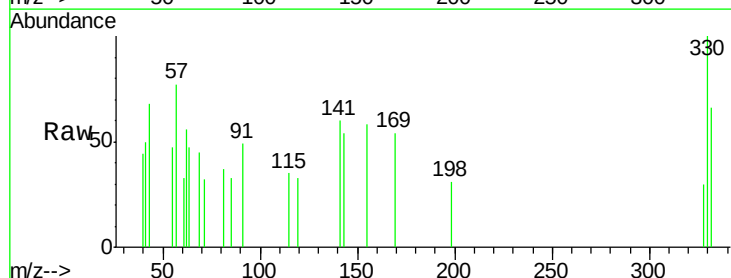


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

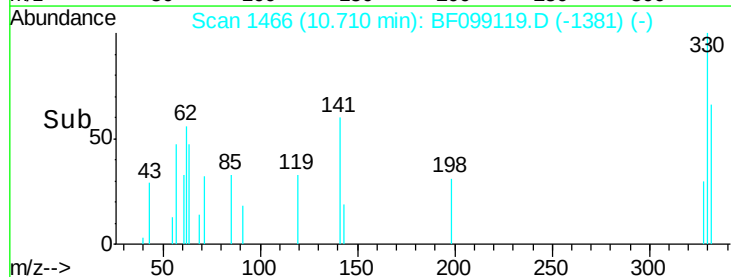
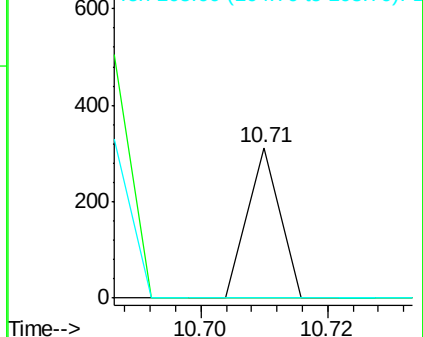


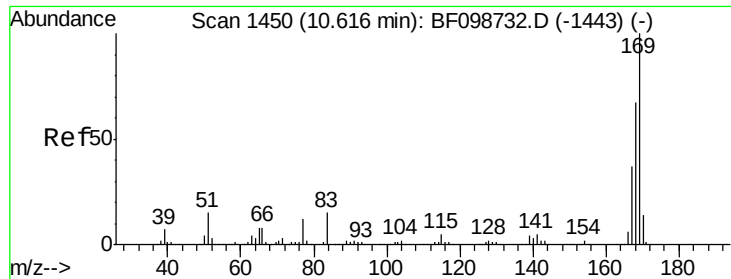
#64
4,6-Dinitro-2-methylphenol
Concen: 0.05 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.20 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 0.0 36.3 76.3#



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: 0.09 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

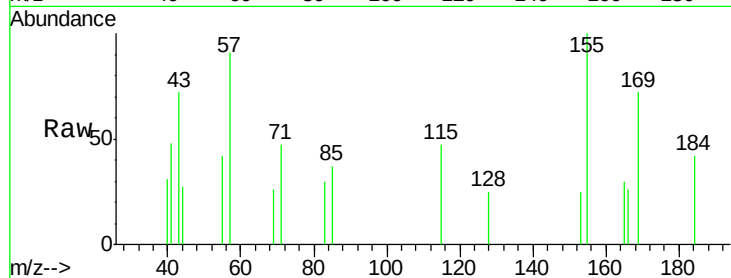
Tot Ion:169 Resp: 1101

Ion Ratio Lower Upper

169 100

168 0.0 54.4 81.6#

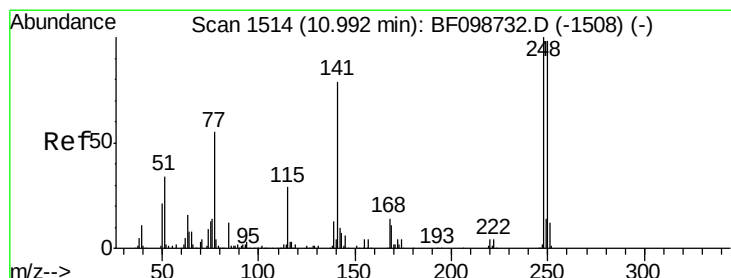
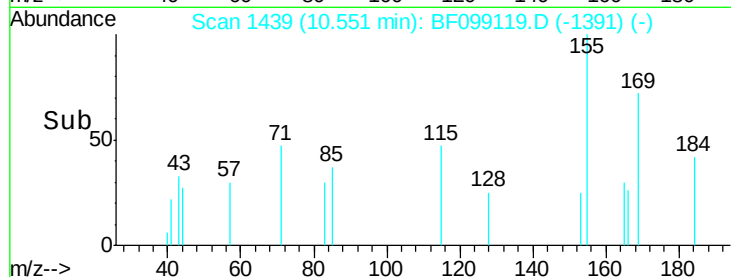
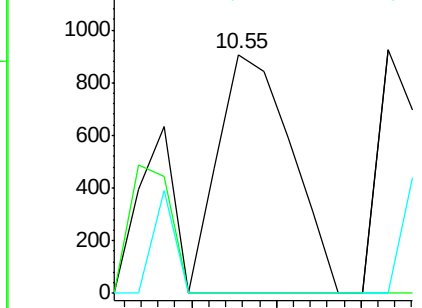
167 0.0 29.8 44.6#



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



#66

4-Bromophenyl-phenylether

Concen: 0.67 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.25 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

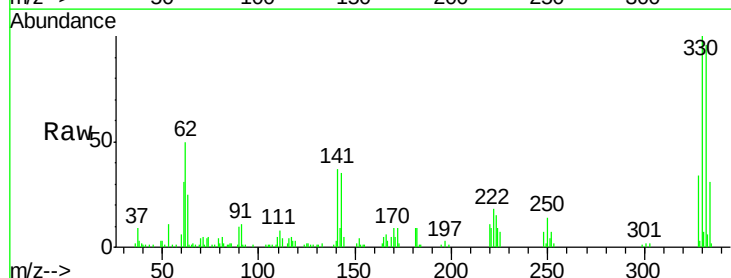
Tgt Ion:248 Resp: 2450

Ion Ratio Lower Upper

248 100

250 207.1 76.9 115.3#

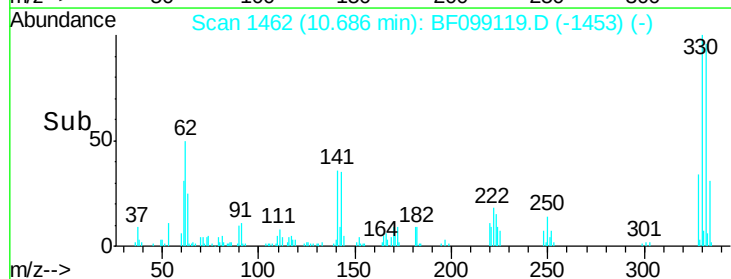
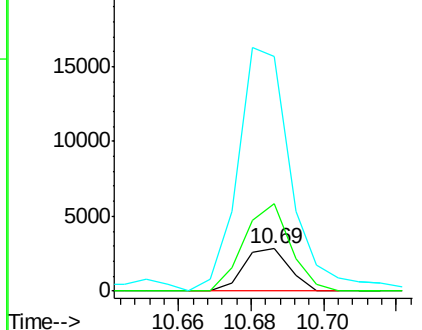
141 556.4 74.4 111.6#

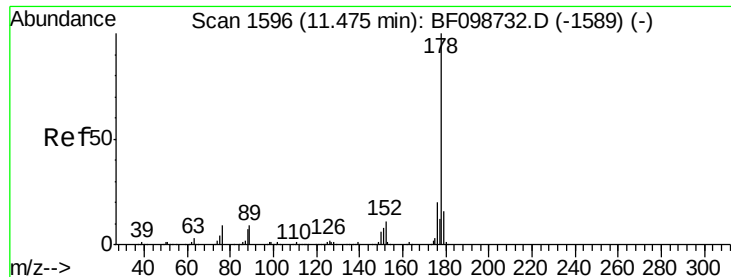


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 1.95 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

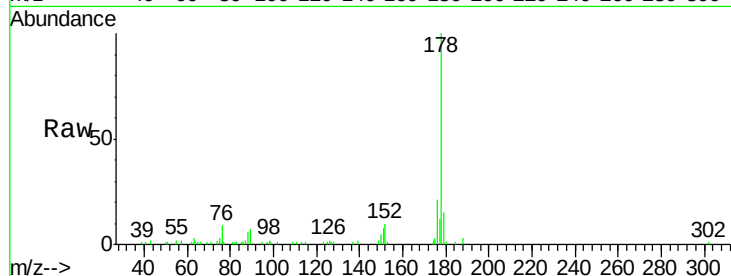
Tot Ion:178 Resp: 38761

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

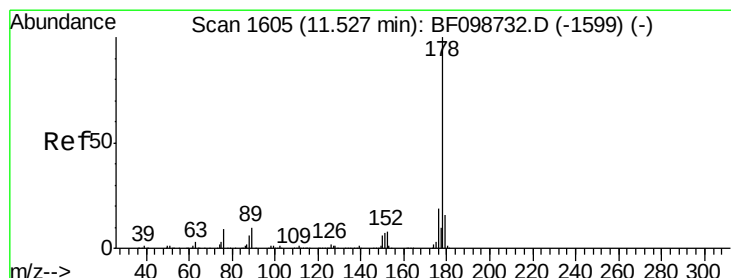
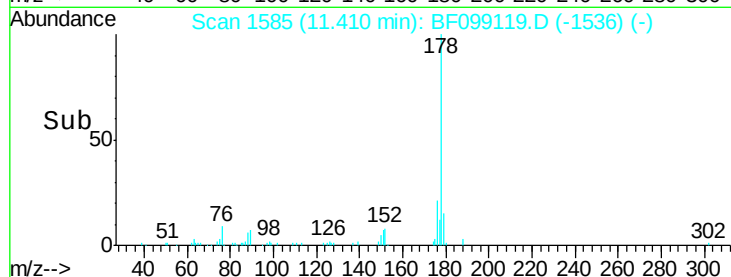
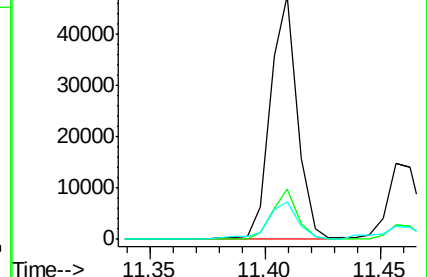
179 15.4 13.0 19.6



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: 0.64 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

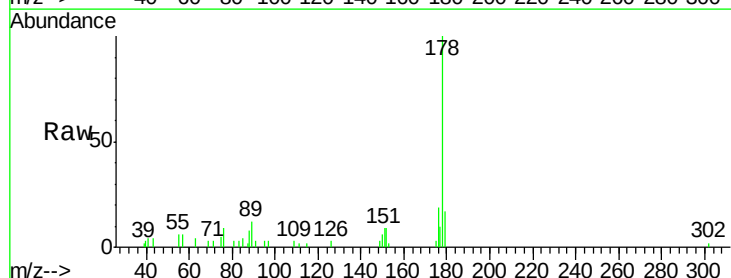
Tgt Ion:178 Resp: 12953

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

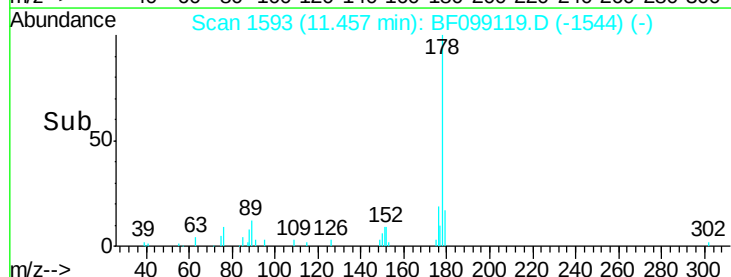
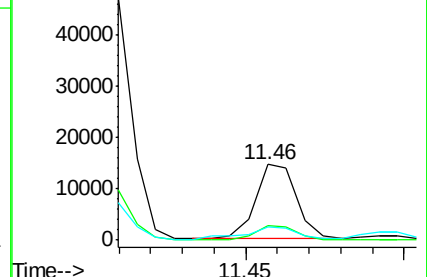
179 16.8 12.6 19.0

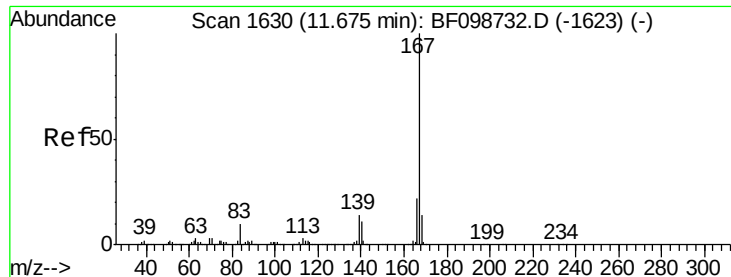


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.18 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

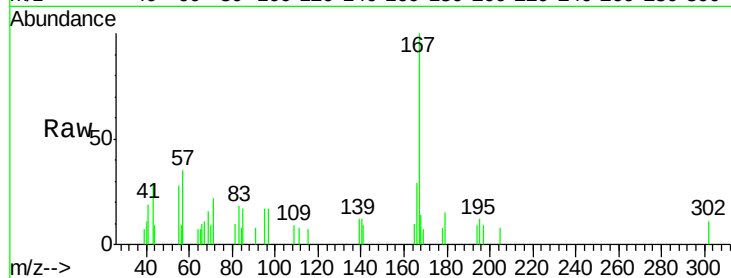
Tot Ion:167 Resp: 3643

Ion Ratio Lower Upper

167 100

166 28.9 17.6 26.4#

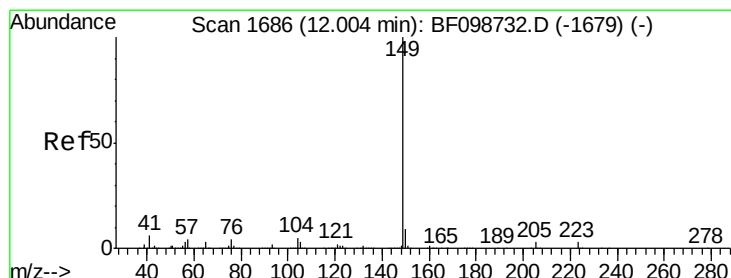
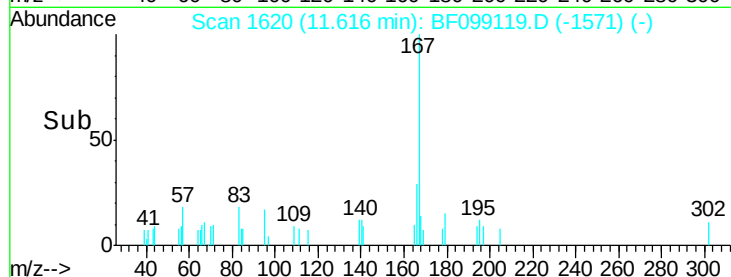
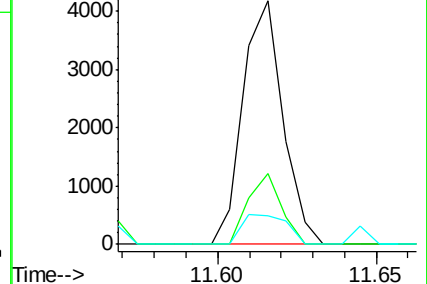
139 12.0 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 2.87 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

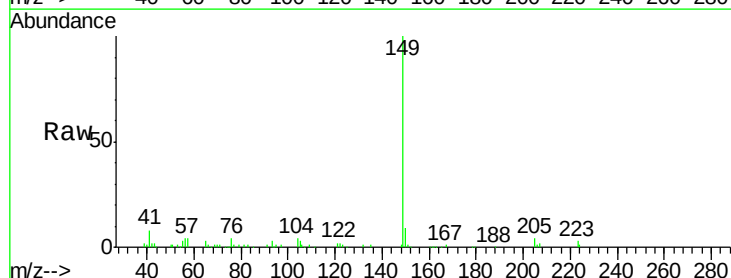
Tgt Ion:149 Resp: 68741

Ion Ratio Lower Upper

149 100

150 8.9 7.8 11.6

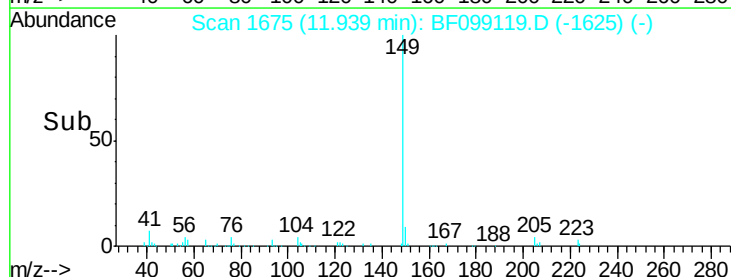
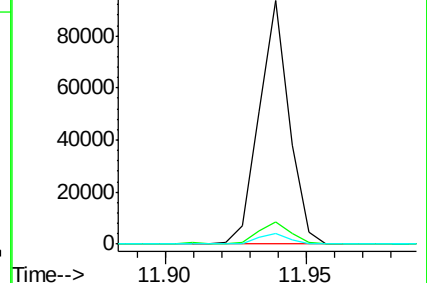
104 4.3 3.8 5.8

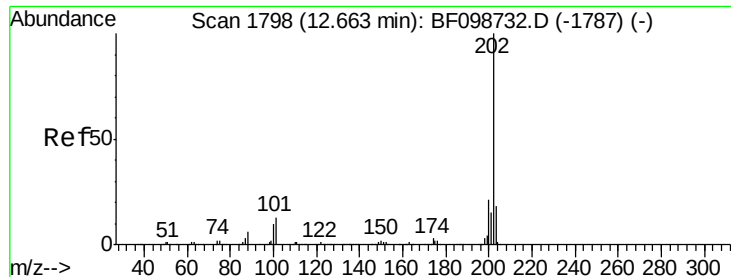


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

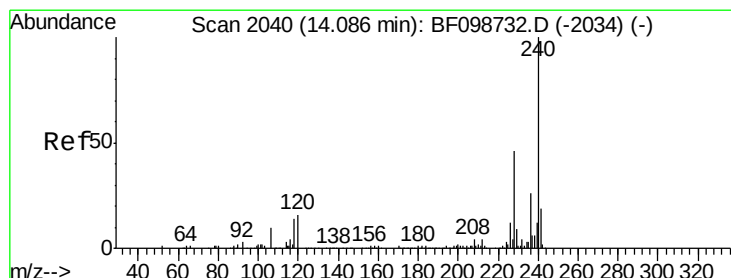
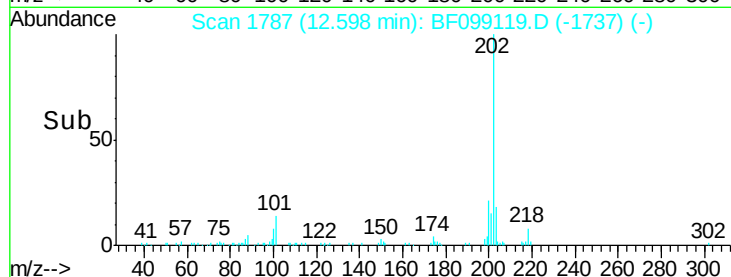
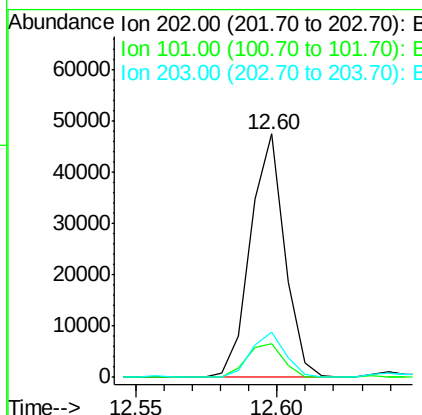
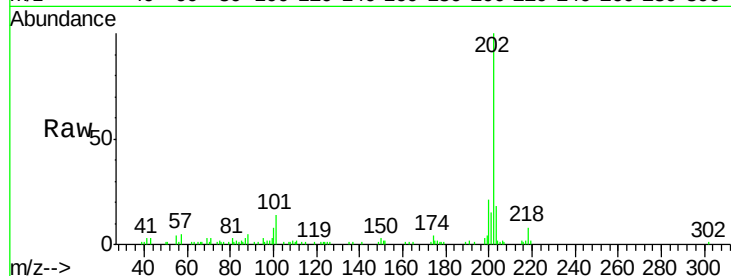




#74
Fluoranthene
Concen: 1.98 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

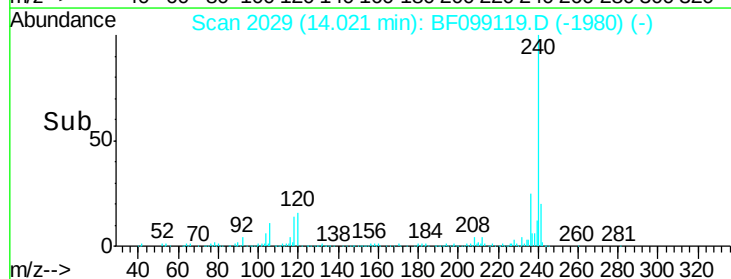
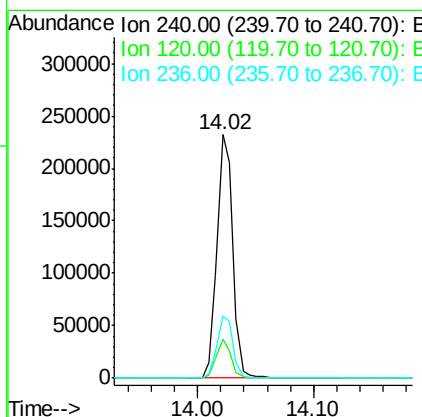
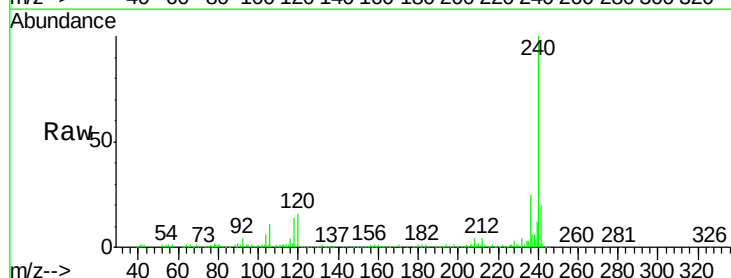
Instrument :
BNA_F
ClientSampleId :

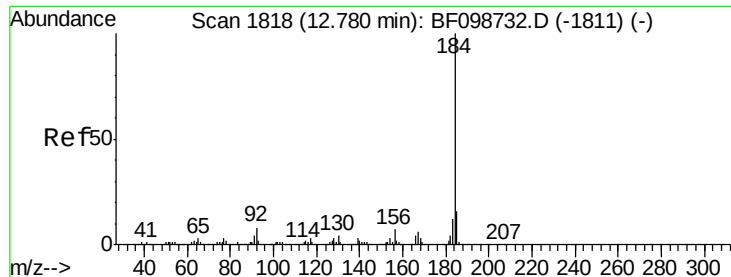
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	18.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.5	14.3#
236	25.2	20.7	31.1





#76

Benzidine

Concen: 0.02 ng

RT: 12.85 min Scan# 1829

Delta R.T. 0.12 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

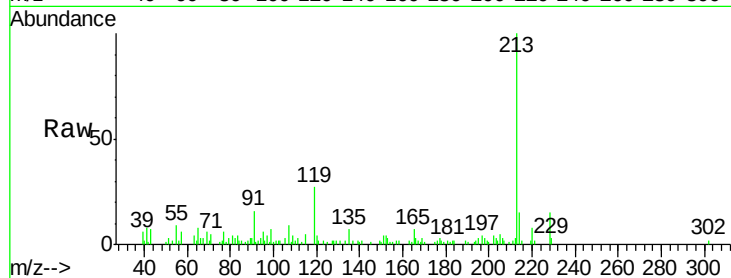
Tot Ion:184 Resp: 157

Ion Ratio Lower Upper

184 100

185 0.0 12.6 18.8#

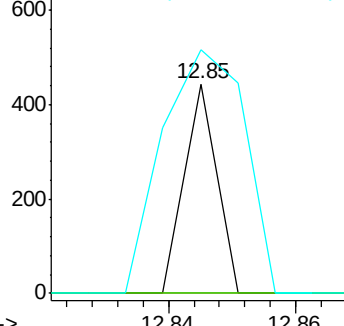
183 116.2 9.3 13.9#



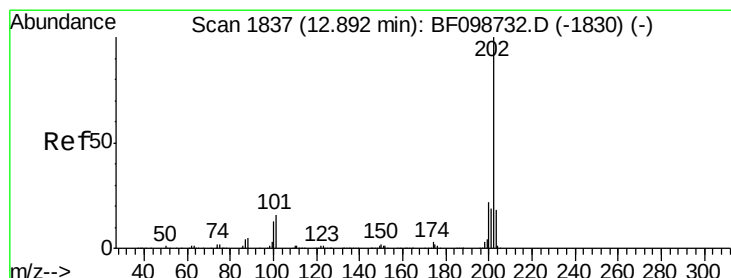
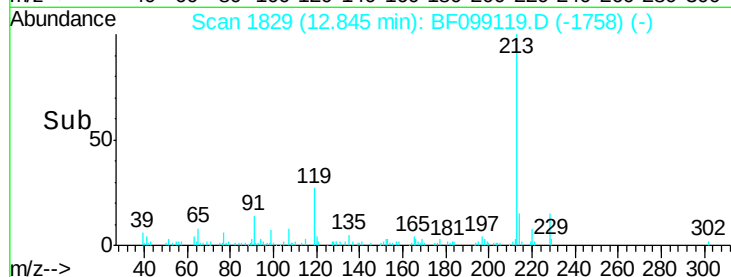
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#77

Pyrene

Concen: 2.17 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

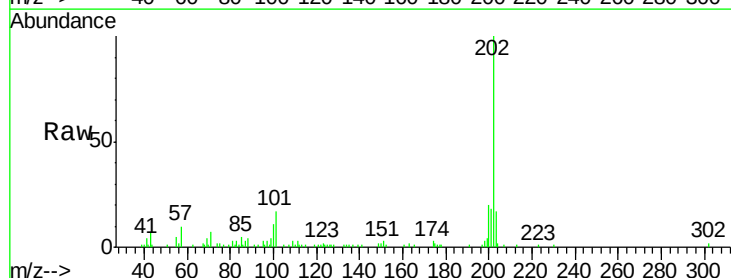
Tgt Ion:202 Resp: 36421

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

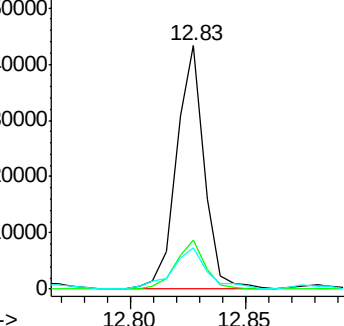
203 17.2 14.3 21.5



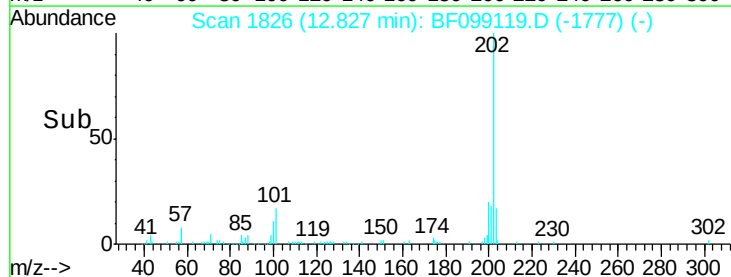
Abundance Ion 202.00 (201.70 to 202.70): E

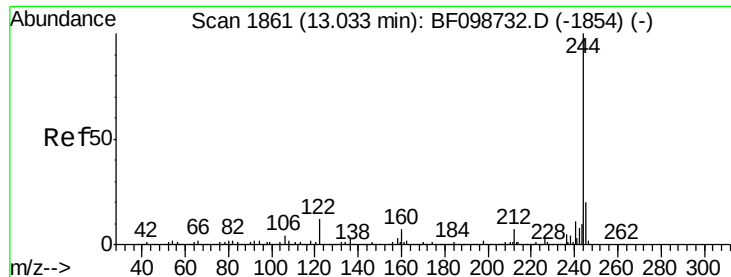
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 16.49 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

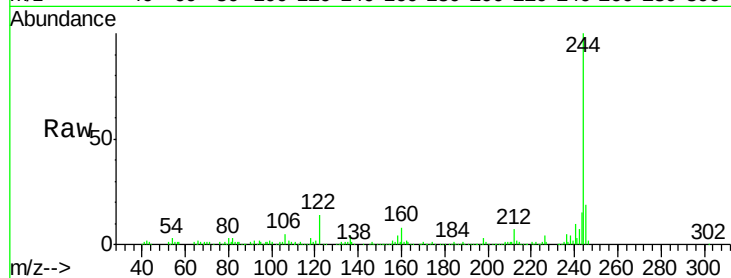
Tot Ion:244 Resp: 159682

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

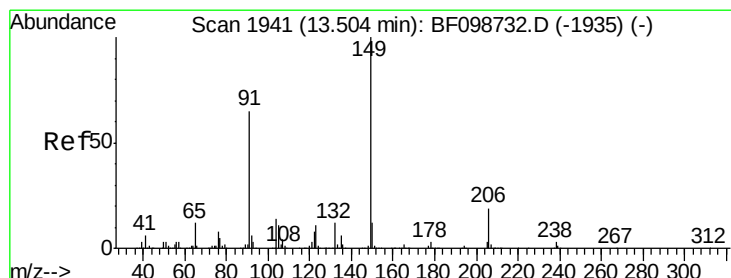
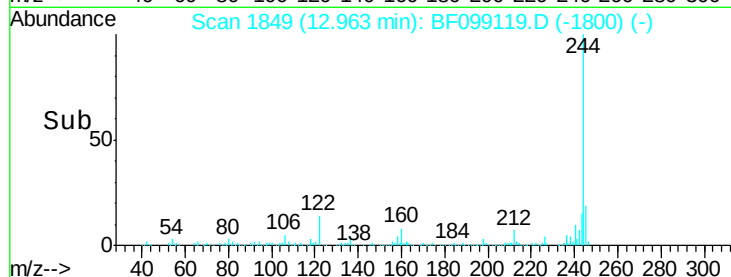
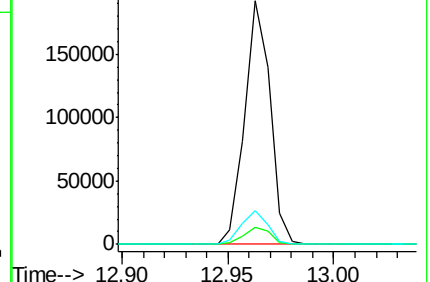
122 14.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.06 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

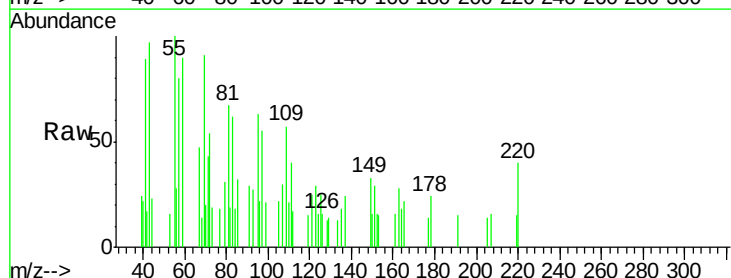
Tgt Ion:149 Resp: 457

Ion Ratio Lower Upper

149 100

91 86.2 56.8 85.2#

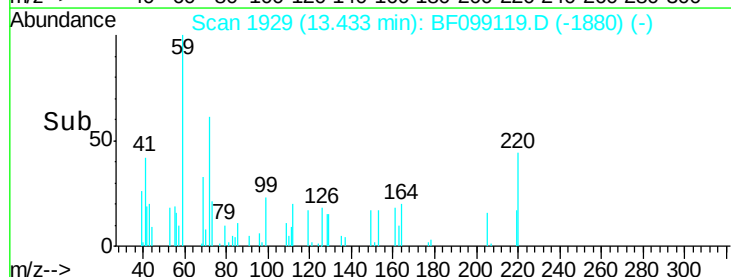
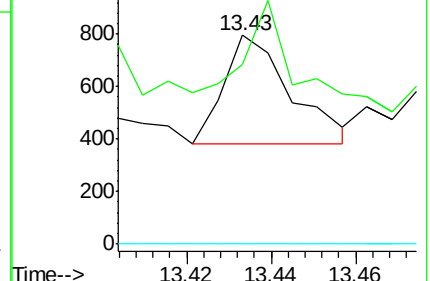
206 0.0 14.1 21.1#

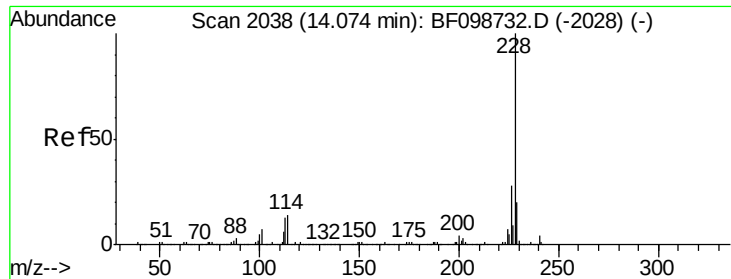


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.51 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

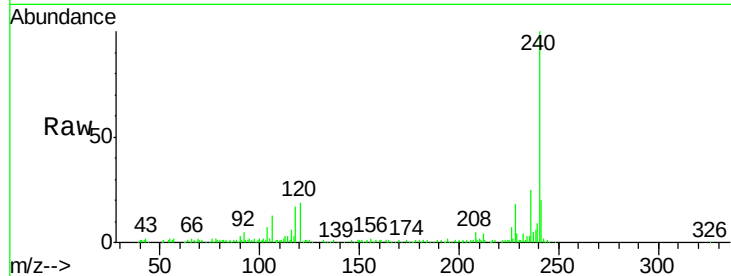
Tot Ion:228 Resp: 20203

Ion Ratio Lower Upper

228 100

226 36.7 22.6 33.8#

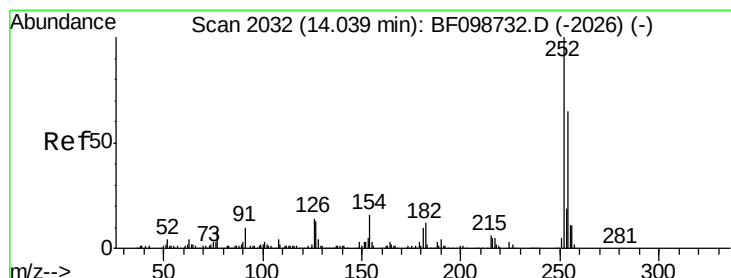
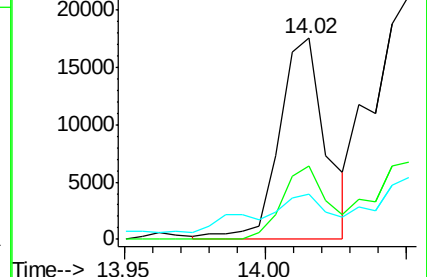
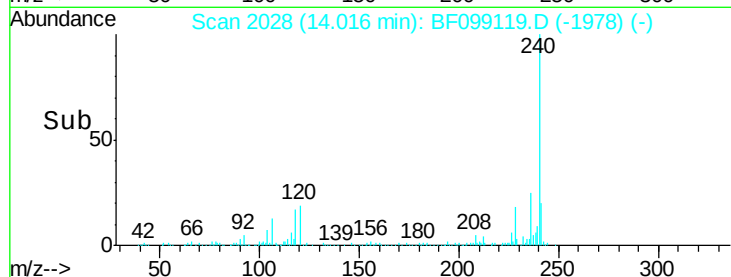
229 22.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.03 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.07 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

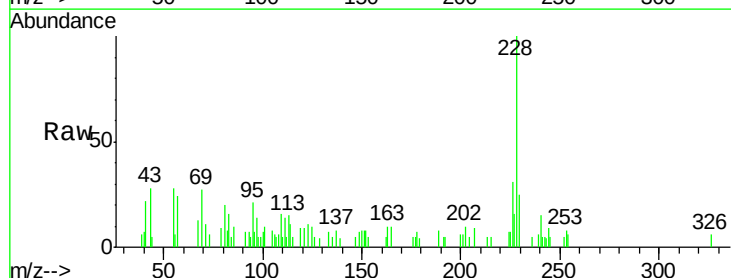
Tgt Ion:252 Resp: 141

Ion Ratio Lower Upper

252 100

254 117.3 50.4 75.6#

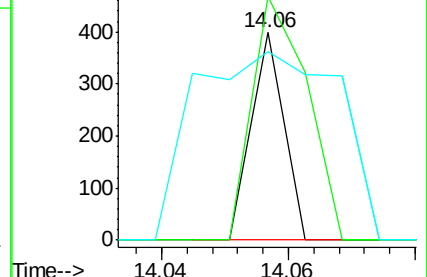
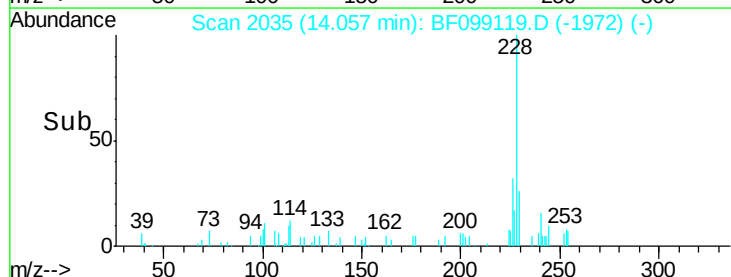
126 91.0 11.3 16.9#

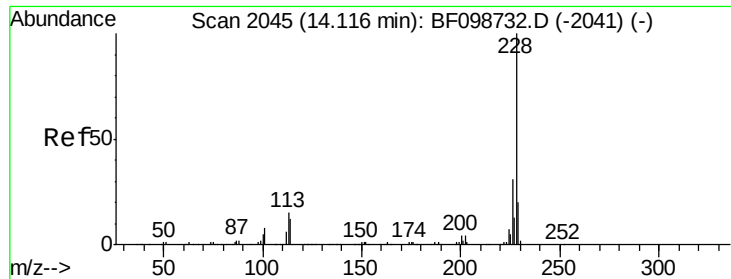


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

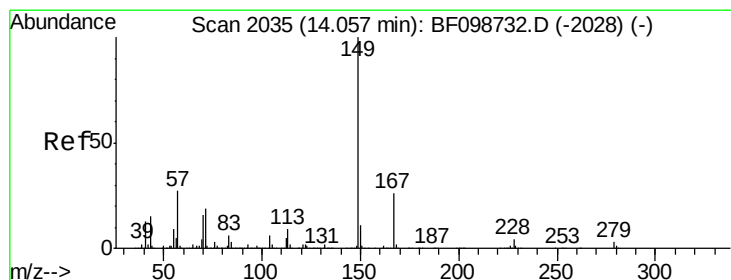
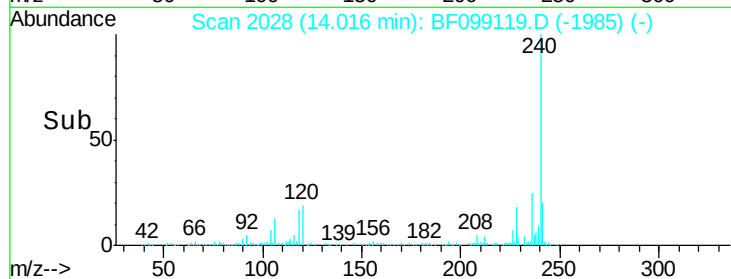
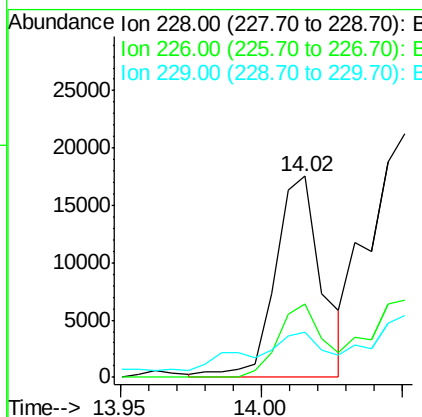
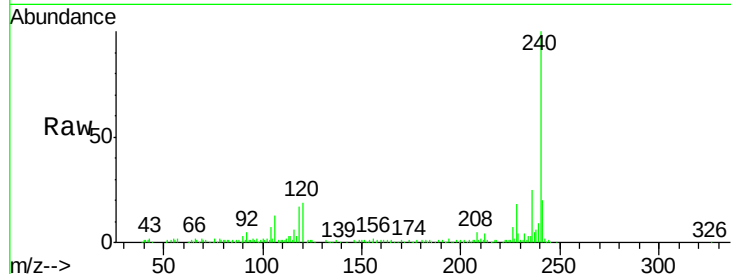




#82
 Chrysene
 Concen: 1.59 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.05 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

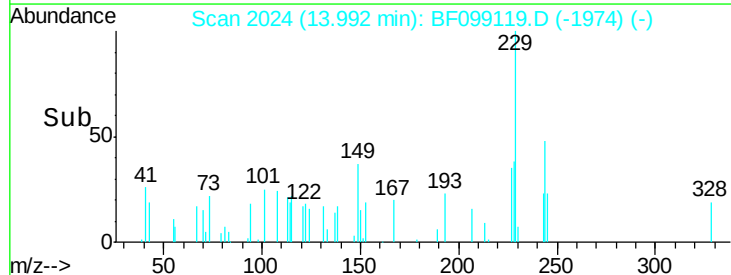
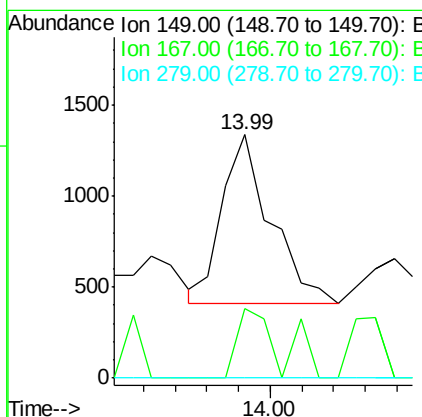
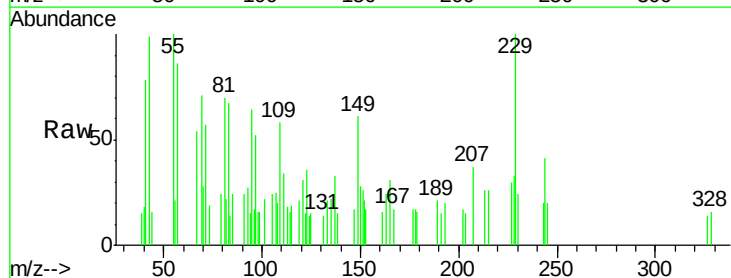
Instrument :
 BNA_F
 ClientSampled :

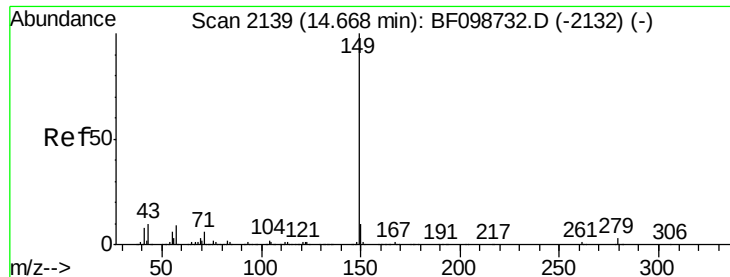
Tot Ion:228 Resp: 20203
 Ion Ratio Lower Upper
 228 100
 226 36.7 25.0 37.6
 229 22.7 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.09 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099119.D
 Acq: 5 Oct 2017 22:38

Tgt Ion:149 Resp: 979
 Ion Ratio Lower Upper
 149 100
 167 28.4 21.3 31.9
 279 0.0 3.0 4.4#





#84

Di-n-octyl phthalate

Concen: 0.10 ng

RT: 14.57 min Scan# 2122

Delta R.T. -0.04 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA_F

ClientSampleId :

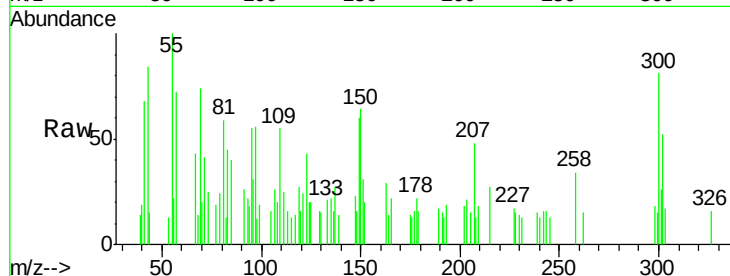
Tot Ion:149 Resp: 1826

Ion Ratio Lower Upper

149 100

167 6.5 1.2 1.8#

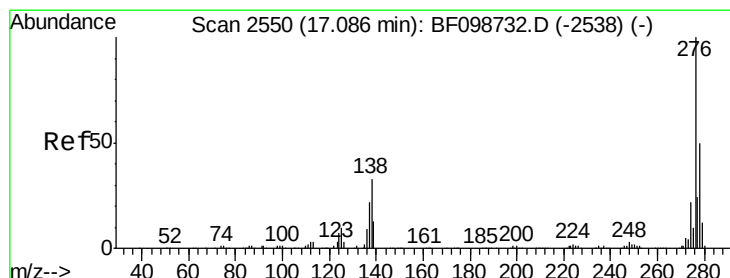
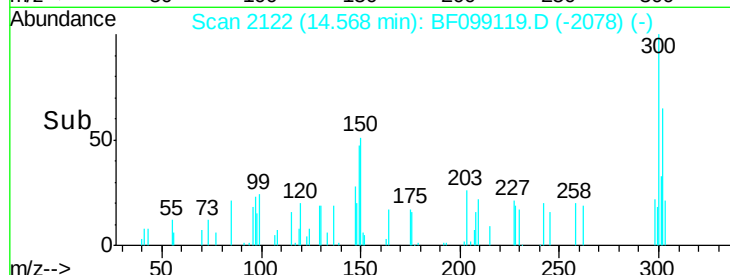
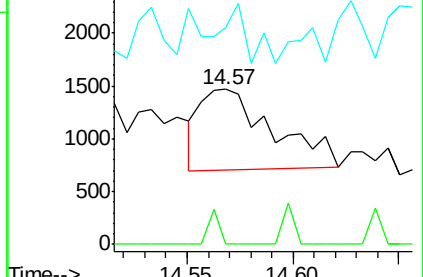
43 23.2 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.77 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

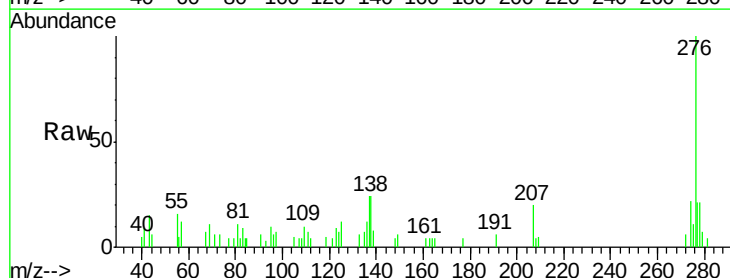
Tgt Ion:276 Resp: 17942

Ion Ratio Lower Upper

276 100

138 32.4 25.0 37.6

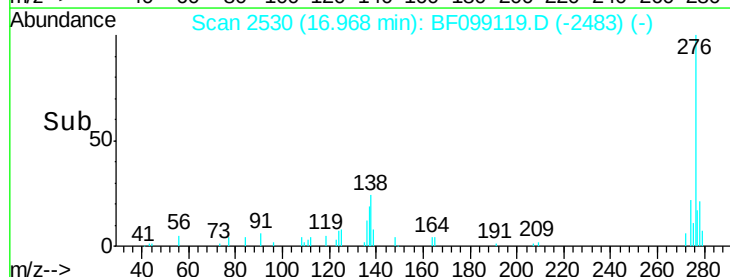
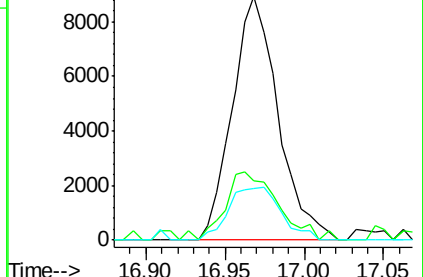
277 24.7 20.1 30.1

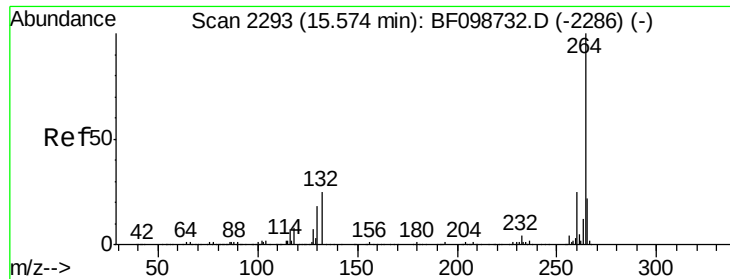


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

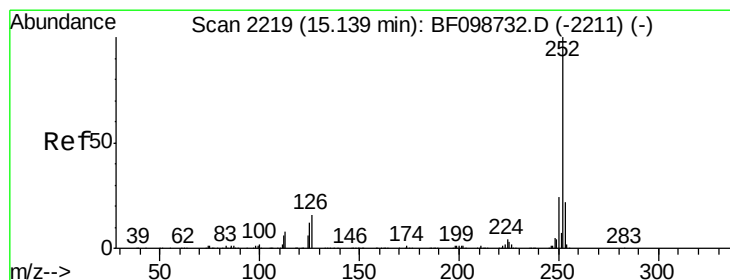
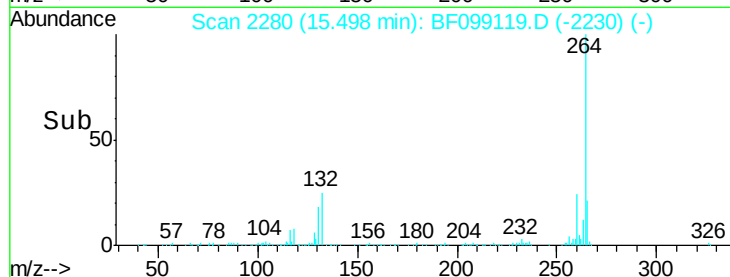
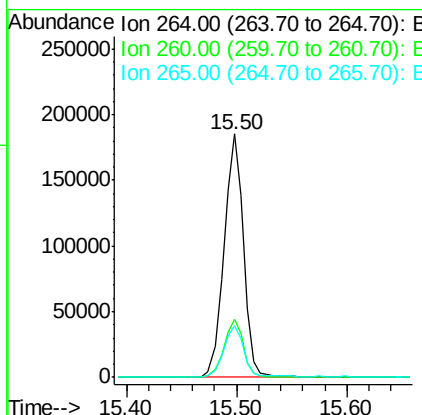
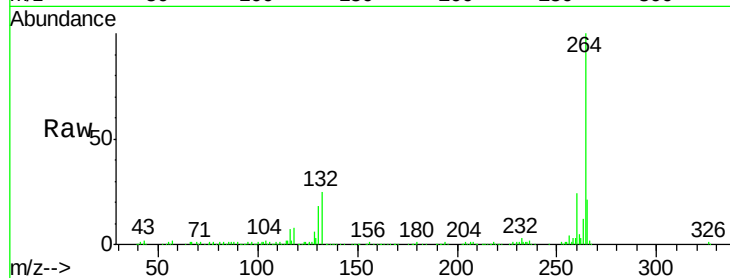




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

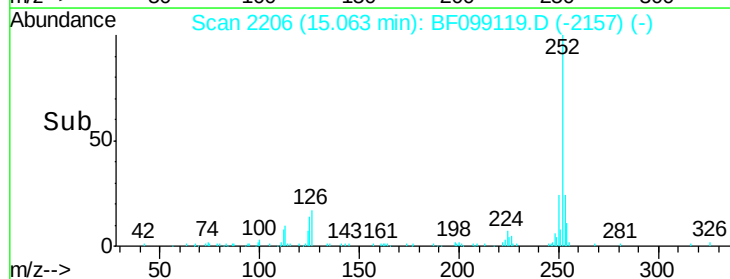
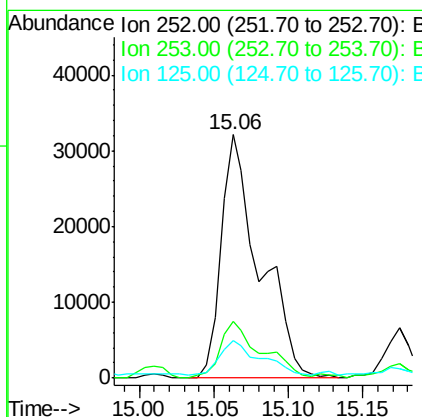
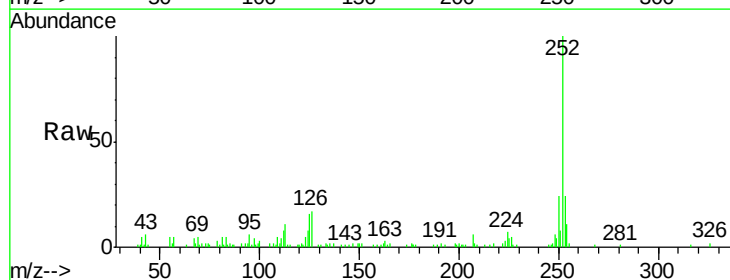
Instrument :
BNA_F
ClientSampleId :

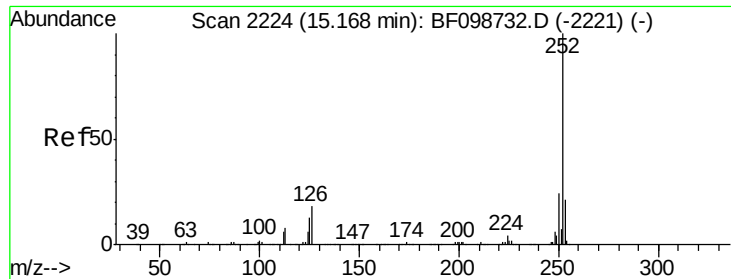
Tot Ion:264 Resp: 228419
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.13 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:252 Resp: 57972
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 15.6 9.0 13.6#

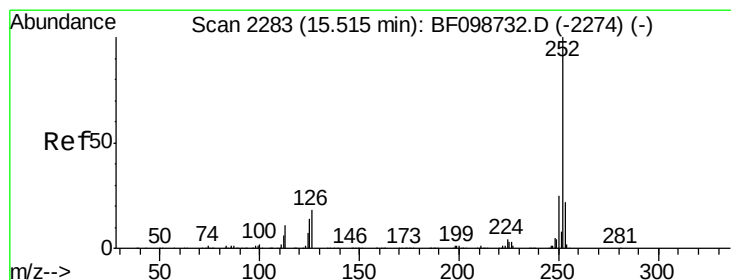
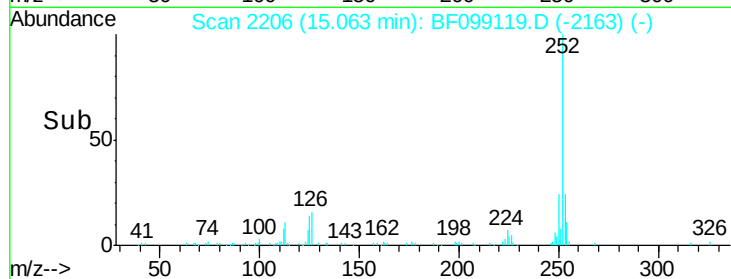
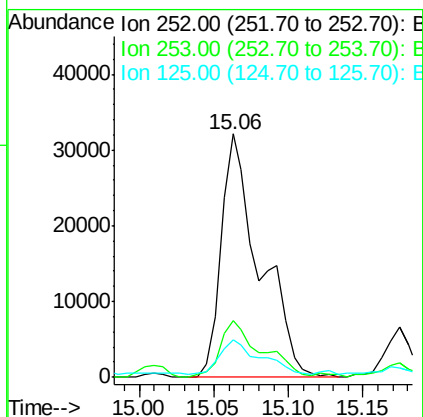
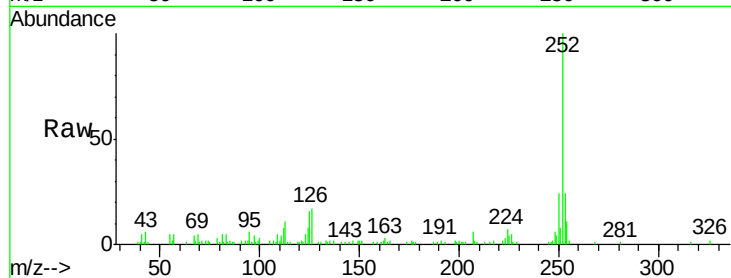




#88
Benzo(k)fluoranthene
Concen: 4.18 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

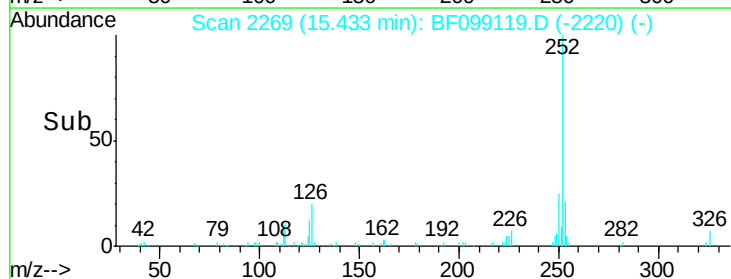
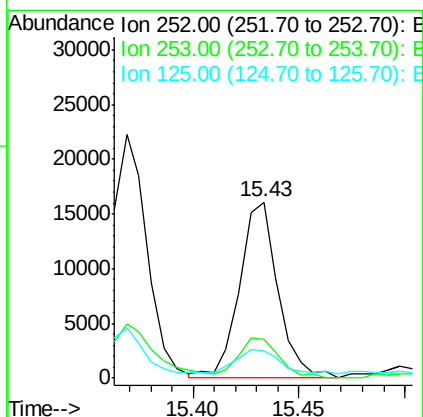
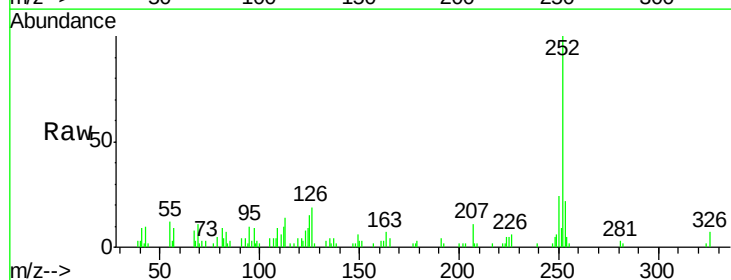
Instrument :
BNA_F
ClientSampleId :

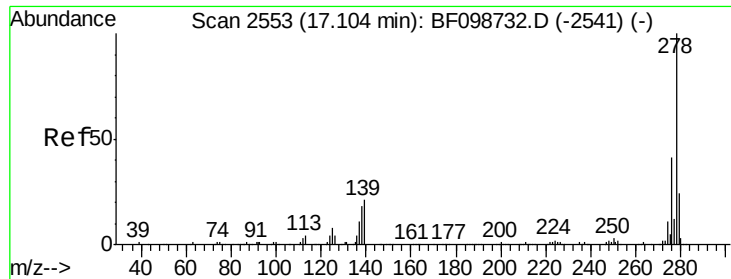
Tot Ion:252 Resp: 57972
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 15.6 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 1.58 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:252 Resp: 20402
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 15.3 9.8 14.6#



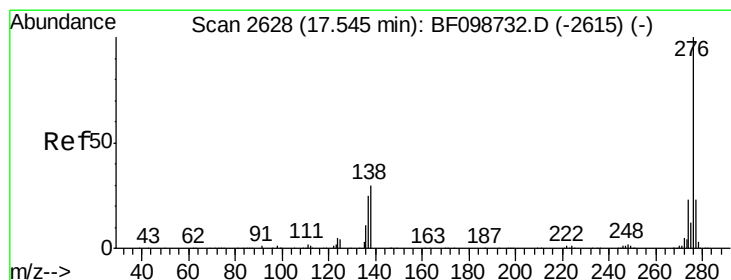
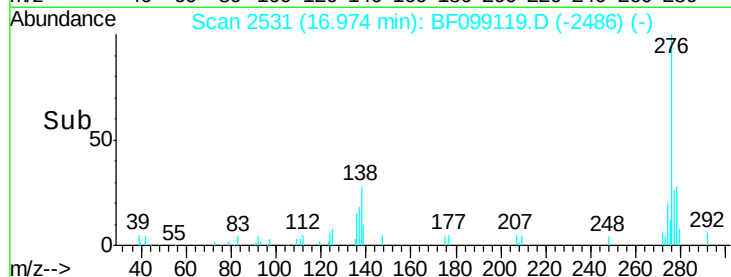
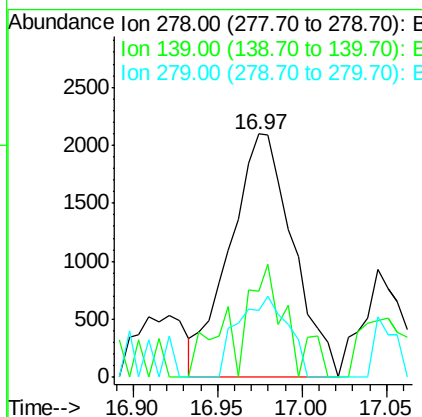
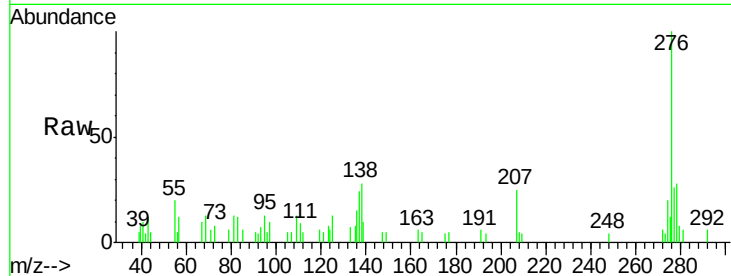


#90
Dibenzo(a,h)anthracene
Concen: 0.53 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.04 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 5450

Ion	Ratio	Lower	Upper
278	100		
139	35.2	15.9	23.9#
279	27.5	19.0	28.4



#91
Benzo(g,h,i)perylene
Concen: 1.40 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.03 min
Lab File: BF099119.D
Acq: 5 Oct 2017 22:38

Tgt Ion:276 Resp: 14252

Ion	Ratio	Lower	Upper
276	100		
277	29.2	17.9	26.9#
138	34.1	21.8	32.8#

