

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099116.D
 Acq On : 5 Oct 2017 21:14
 Operator : SJ/JU
 Sample : I5604-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 02:12:33 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	138787	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	582335	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	263899	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	459979	20.00	ng	0.00
75) Chrysene-d12	14.03	240	286126	20.00	ng	0.00
86) Perylene-d12	15.50	264	248115	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	881718	101.13	ng	0.00
7) Phenol-d6	6.49	99	1102612	102.52	ng	0.00
23) Nitrobenzene-d5	7.43	82	661505	72.85	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	177994	82.43	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1184538	74.93	ng	0.00
78) Terphenyl-d14	12.97	244	961517	76.42	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.50	93	459	0.03	ng	# 1
8) 2-Chlorophenol	6.65	128	131	0.01	ng	# 1
9) Benzaldehyde	6.63	77	18053	2.89	ng	86
10) Phenol	6.50	94	26118	2.17	ng	96
11) bis(2-Chloroethyl)ether	6.63	93	1189	0.13	ng	# 1
12) 1,3-Dichlorobenzene	7.03	146	113	0.01	ng	# 1
13) 1,4-Dichlorobenzene	7.03	146	113	0.01	ng	# 1
14) 1,2-Dichlorobenzene	7.03	146	113	0.01	ng	# 1
15) Benzyl Alcohol	7.02	79	10674	1.35	ng	# 30
16) 2,2'-oxybis(1-Chloropropan	6.87	45	126	0.01	ng	# 1
17) 2-Methylphenol	7.01	107	123	0.02	ng	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	86166	12.55	ng	# 74
20) 3+4-Methylphenols	7.01	107	123	0.01	ng	# 1
22) Acetophenone	7.17	105	142	0.01	ng	# 54
24) Nitrobenzene	7.43	77	2002	0.19	ng	# 38
25) Isophorone	7.43	82	661253	35.22	ng	# 64
31) Naphthalene	8.16	128	3621	0.13	ng	# 93
33) 4-Chloroaniline	8.17	127	348	0.03	ng	# 47
37) 2-Methylnaphthalene	8.86	142	2806	0.16	ng	90
45) 1,1'-Biphenyl	9.32	154	2875	0.13	ng	98
46) 2-Chloronaphthalene	9.62	162	206	0.01	ng	# 1
47) 2-Nitroaniline	9.61	65	1243	0.24	ng	# 1
48) Acenaphthylene	9.76	152	3388	0.13	ng	98
49) Dimethylphthalate	9.61	163	133776	6.72	ng	99
50) 2,6-Dinitrotoluene	9.61	165	1313	0.30	ng	# 11
51) Acenaphthene	9.93	154	873	0.05	ng	# 85
54) Dibenzofuran	10.10	168	1640	0.07	ng	# 76
55) 4-Nitrophenol	10.10	139	788	0.18	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	33933	6.03	ng	# 23
57) Fluorene	10.45	166	1410	0.08	ng	# 89
59) Diethylphthalate	10.31	149	862	0.04	ng	# 61
62) Azobenzene	10.61	77	180	0.01	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.69	198	343	0.12	ng	# 1
65) n-Nitrosodiphenylamine	10.69	169	7117	0.45	ng	# 44

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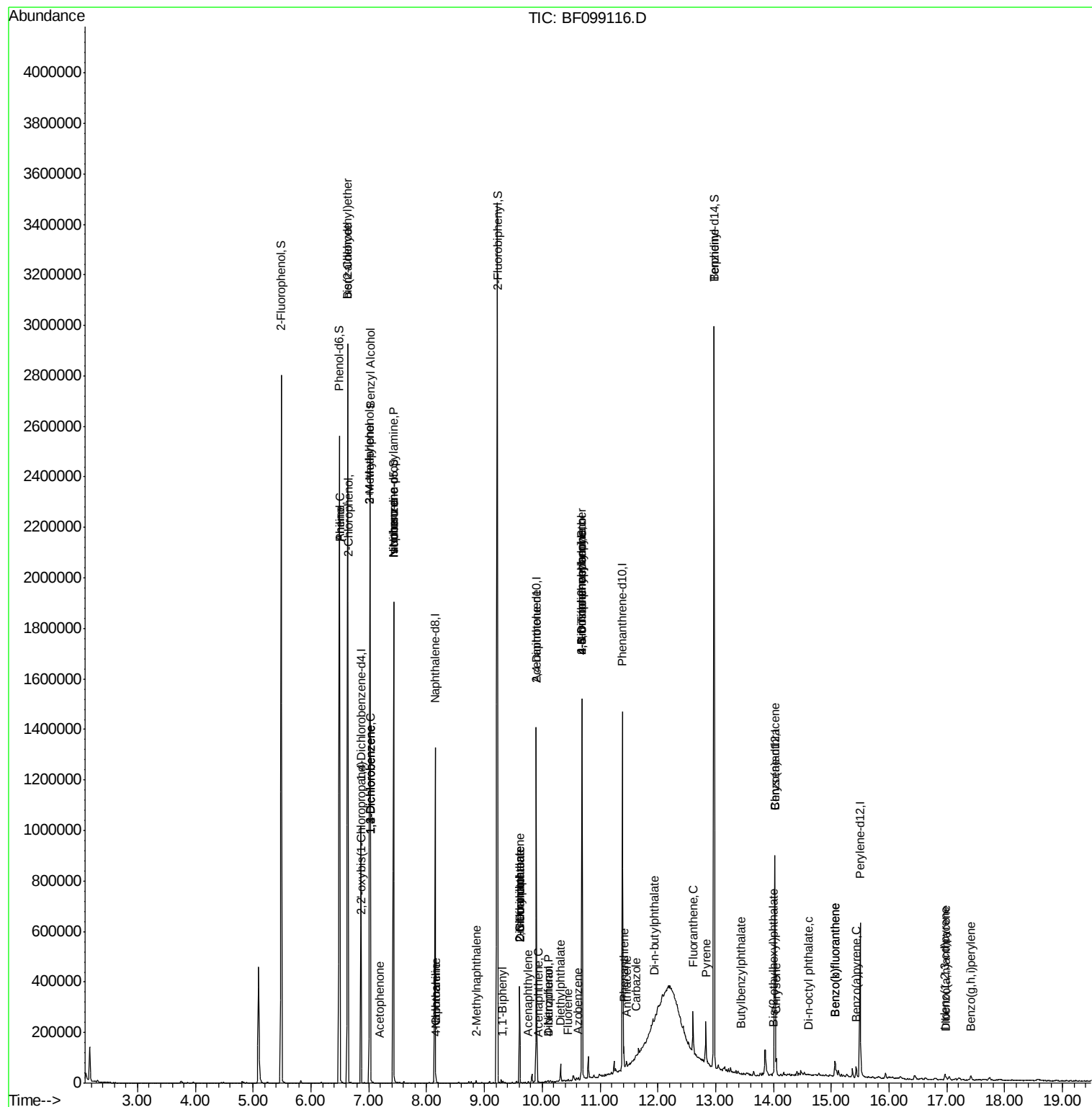
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Bromophenyl-phenylether	10.69	248	12539	2.78	nq	# 1
70) Phenanthrene	11.41	178	27254	1.11	nq	98
71) Anthracene	11.46	178	8967	0.36	nq	96
72) Carbazole	11.62	167	3171	0.13	nq	# 91
73) Di-n-butylphthalate	11.94	149	3100	0.10	nq	# 78
74) Fluoranthene	12.60	202	61096	2.45	nq	99
76) Benzidine	12.97	184	13554	1.28	nq	# 93
77) Pyrene	12.83	202	60039	2.75	nq	98
79) Butylbenzylphthalate	13.43	149	647	0.06	nq	# 83
80) Benzo(a)anthracene	14.02	228	24349	1.41	nq	98
82) Chrysene	14.05	228	25352	1.54	nq	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	3685	0.26	nq	# 98
84) Di-n-octyl phthalate	14.60	149	1190	0.05	nq	# 66
85) Indeno(1,2,3-cd)pyrene	16.97	276	14243	1.08	nq	95
87) Benzo(b)fluoranthene	15.06	252	38354	2.51	nq	98
88) Benzo(k)fluoranthene	15.06	252	38354	2.55	nq	99
89) Benzo(a)pyrene	15.43	252	19933	1.42	nq	# 97
90) Dibenzo(a,h)anthracene	16.98	278	4030	0.36	nq	# 90
91) Benzo(g,h,i)perylene	17.42	276	13694	1.24	nq	98

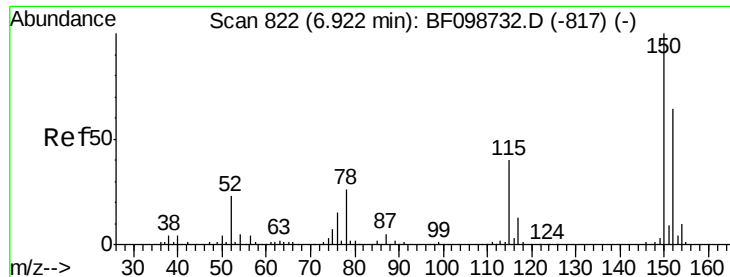
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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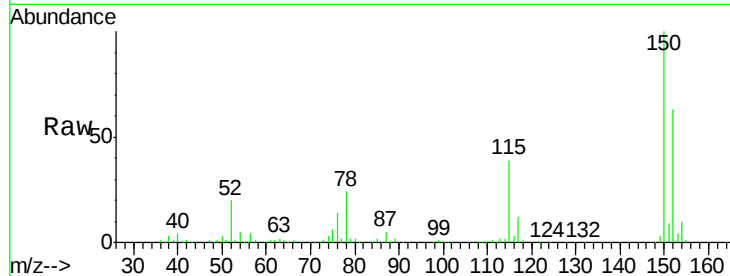


#1

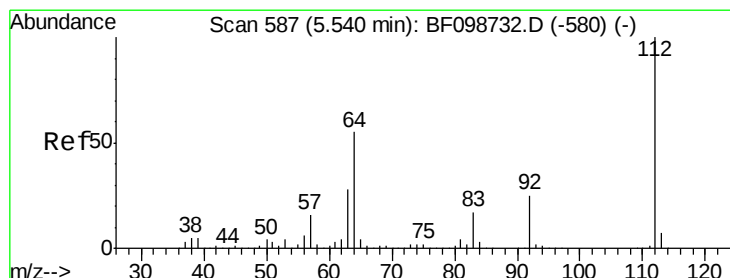
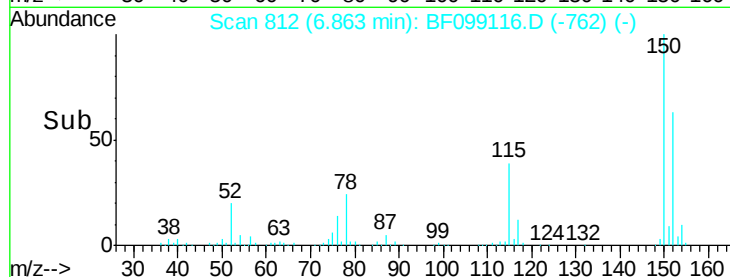
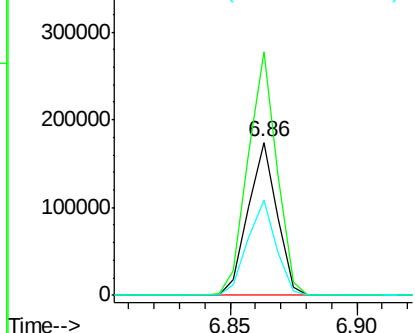
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138787
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 61.8 50.1 75.1



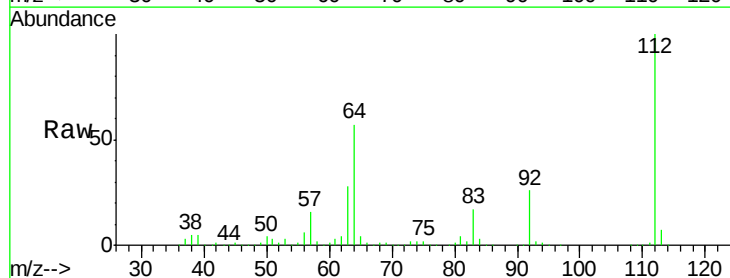
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



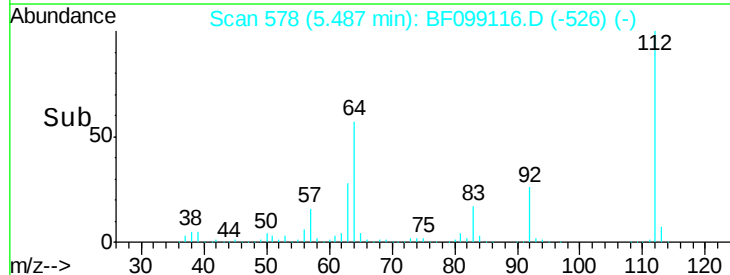
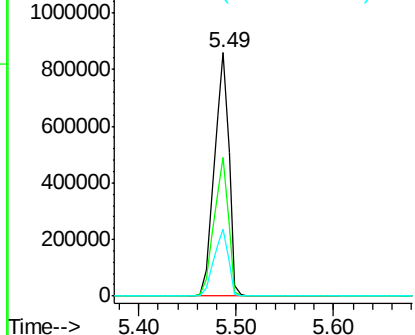
#5

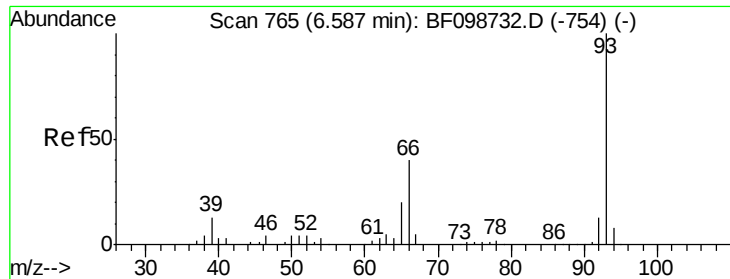
2-Fluorophenol
Concen: 101.13 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:112 Resp: 881718
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 27.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.03 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.03 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

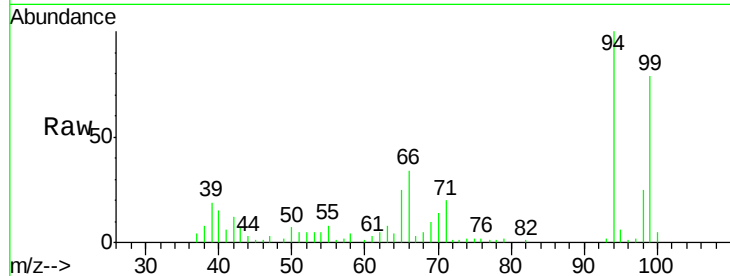
Tot Ion: 93 Resp: 459

Ion Ratio Lower Upper

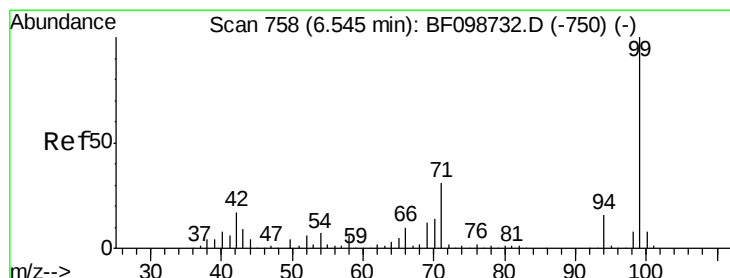
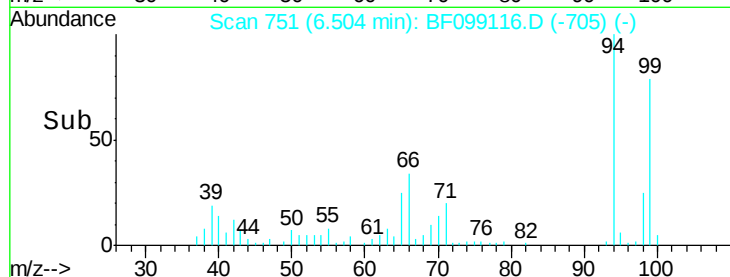
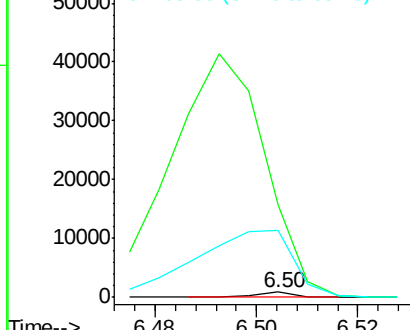
93 100

66 1738.9 32.2 48.2#

65 1252.3 16.4 24.6#



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



#7

Phenol-d6

Concen: 102.52 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

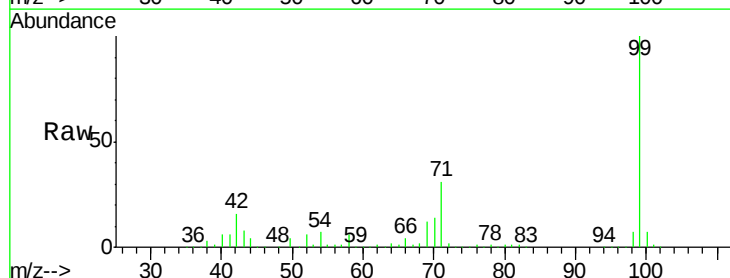
Tgt Ion: 99 Resp: 1102612

Ion Ratio Lower Upper

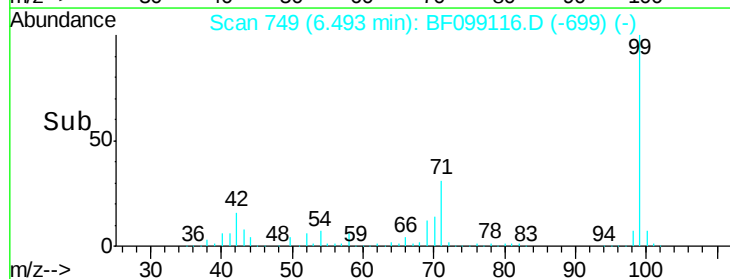
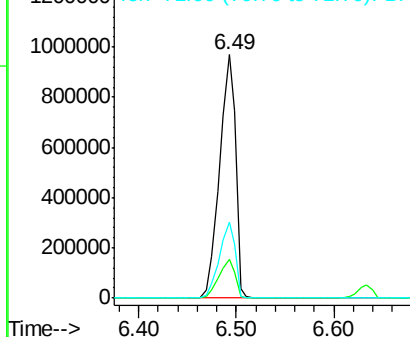
99 100

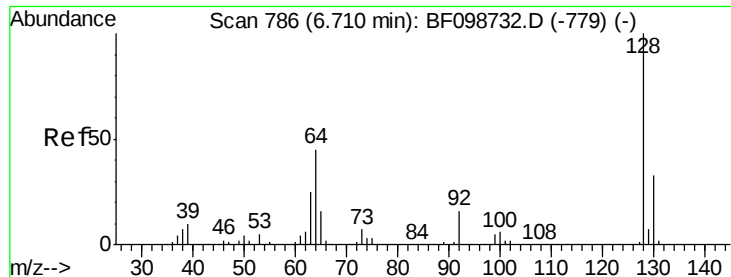
42 16.0 14.5 21.7

71 30.9 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





#8

2-Chlorophenol

Concen: 0.01 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampled :

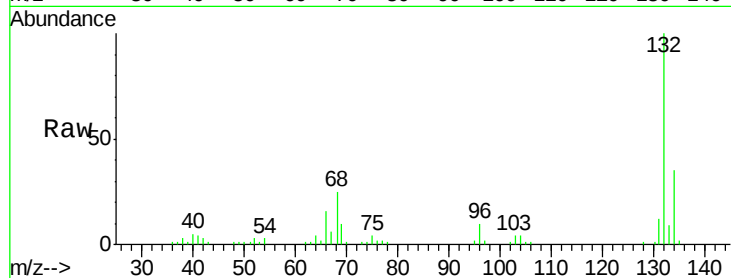
Tot Ion:128 Resp: 131

Ion Ratio Lower Upper

128 100

130 91.9 13.0 53.0#

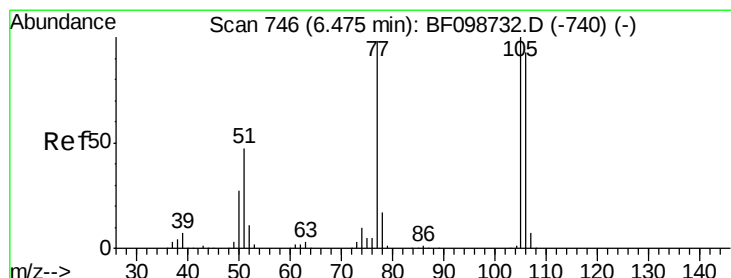
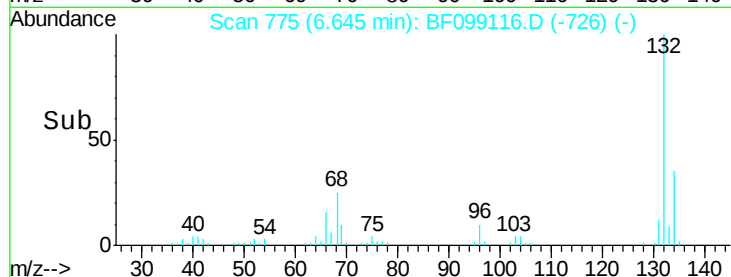
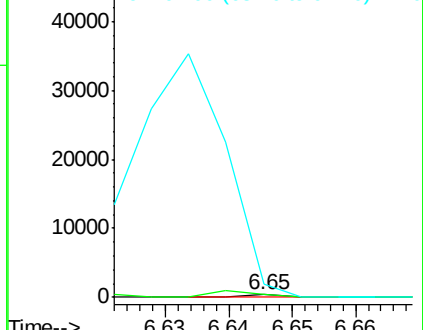
64 524.2 29.4 69.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): E



#9

Benzaldehyde

Concen: 2.89 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

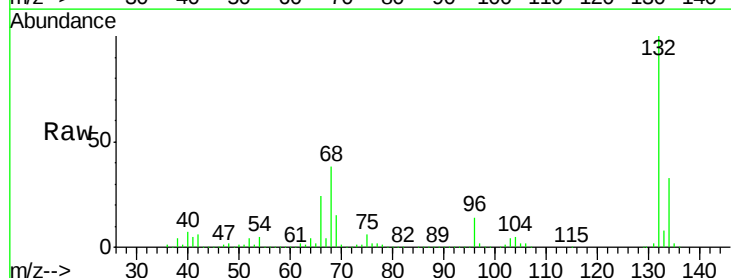
Tgt Ion: 77 Resp: 18053

Ion Ratio Lower Upper

77 100

105 86.4 81.1 121.1

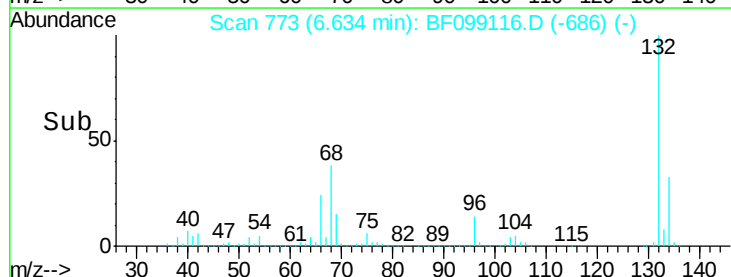
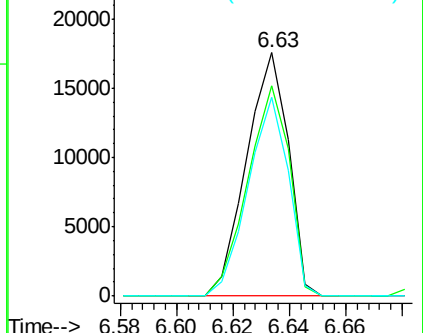
106 81.9 74.5 114.5

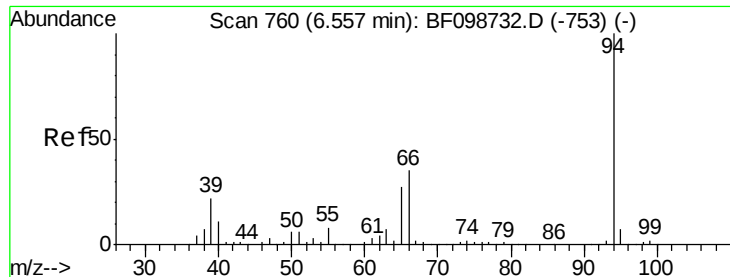


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.17 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

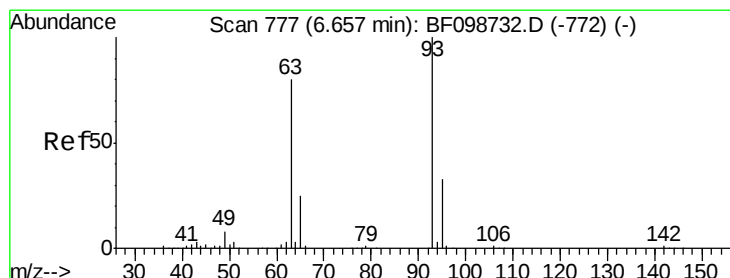
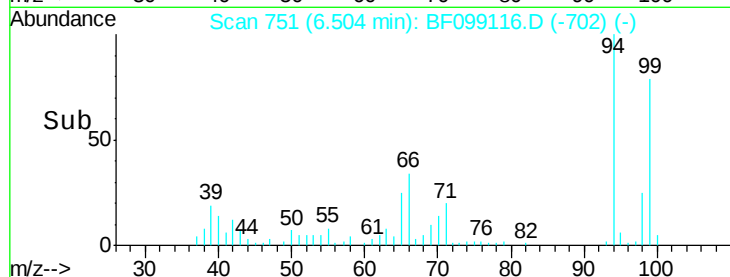
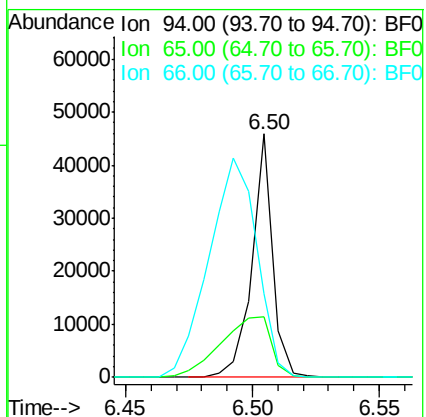
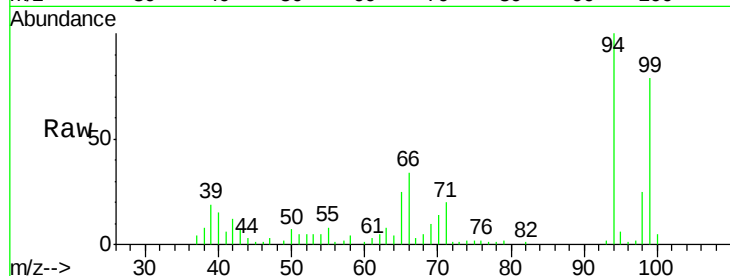
Tot Ion: 94 Resp: 26118

Ion Ratio Lower Upper

94 100

65 24.7 7.9 47.9

66 34.3 16.2 56.2



#11

bis(2-Chloroethyl)ether

Concen: 0.13 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.03 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

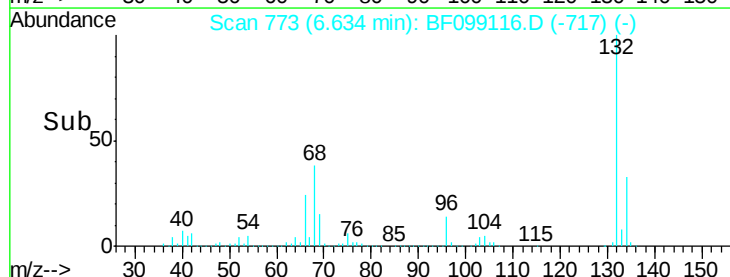
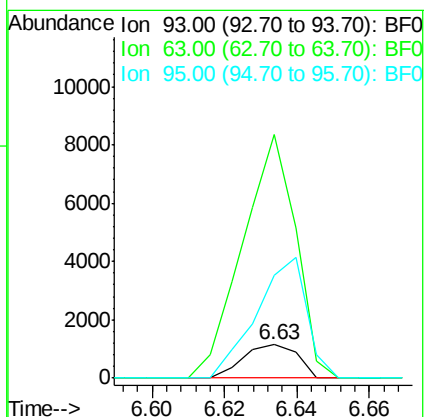
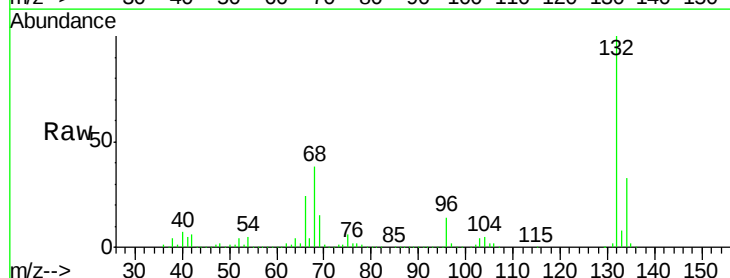
Tgt Ion: 93 Resp: 1189

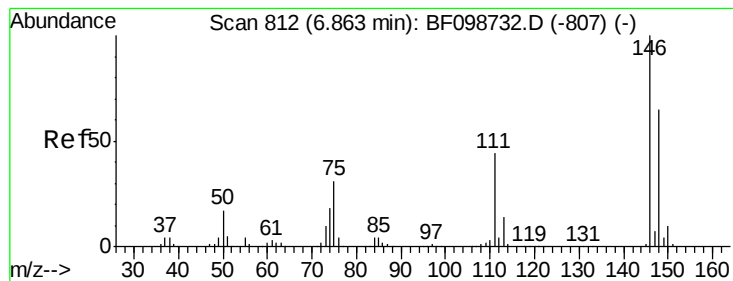
Ion Ratio Lower Upper

93 100

63 729.3 58.6 98.6#

95 307.1 11.8 51.8#





#12

1,3-Dichlorobenzene

Concen: 0.01 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.22 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

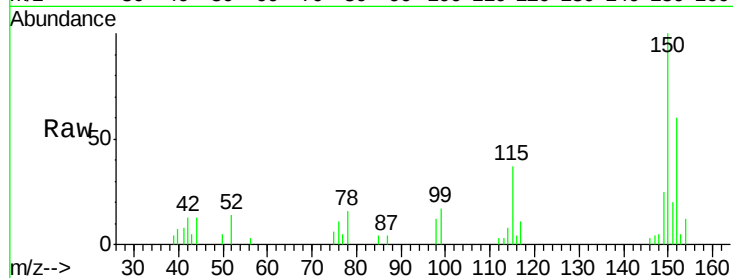
Instrument :

BNA_F

ClientSampleId :

Tot Ion:146 Resp: 113

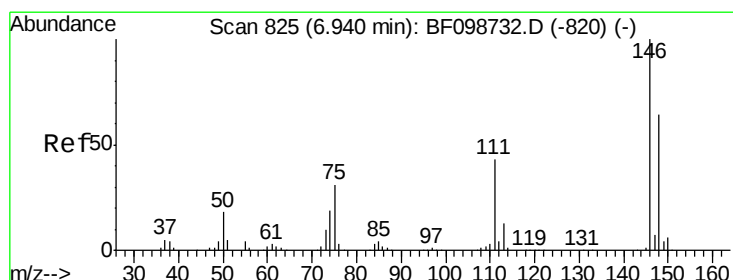
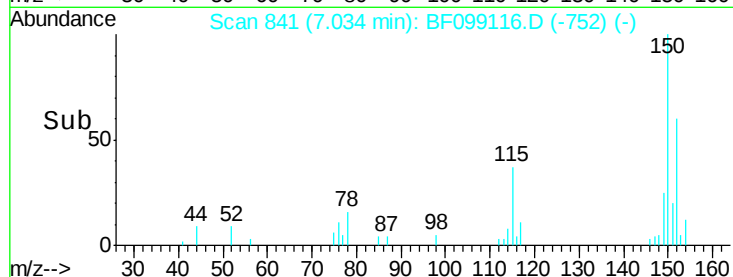
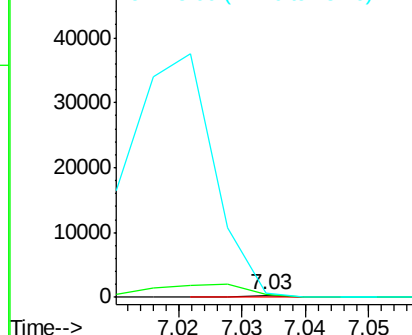
Ion	Ratio	Lower	Upper
146	100		
148	160.7	51.8	77.8#
75	212.5	24.2	36.4#



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): BF0



#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 7.03 min Scan# 841

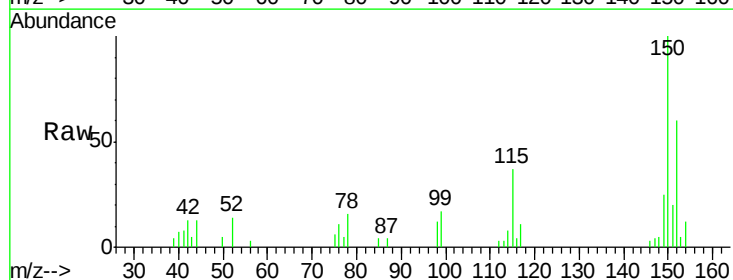
Delta R.T. 0.15 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Tgt Ion:146 Resp: 113

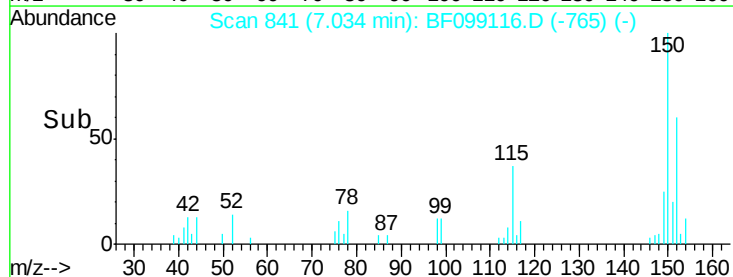
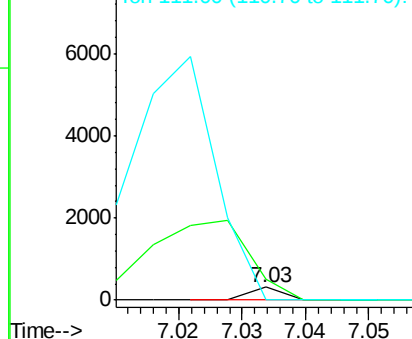
Ion	Ratio	Lower	Upper
146	100		
148	160.7	50.8	76.2#
111	0.0	34.2	51.2#

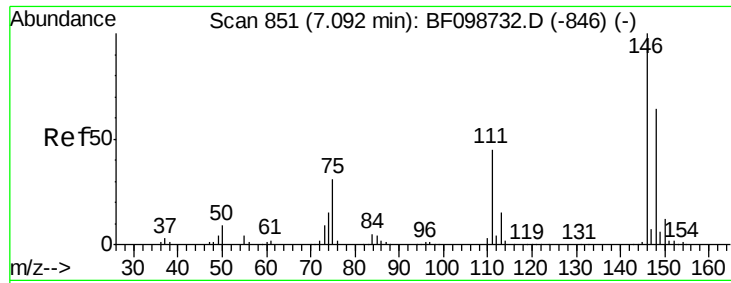


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

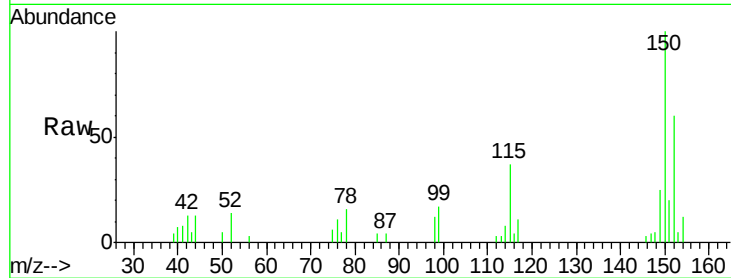




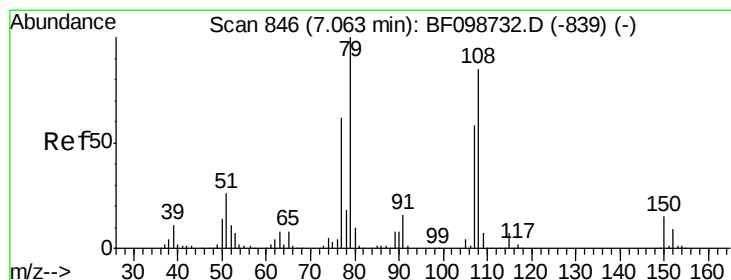
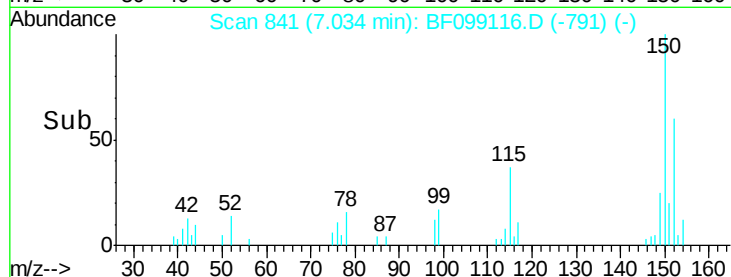
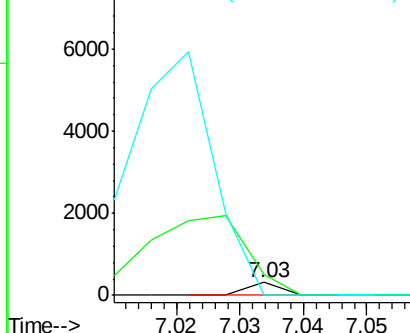
#14
 1,2-Dichlorobenzene
 Concen: 0.01 ng
 RT: 7.03 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 113
 Ion Ratio Lower Upper
 146 100
 148 160.7 50.6 75.8#
 111 0.0 36.0 54.0#

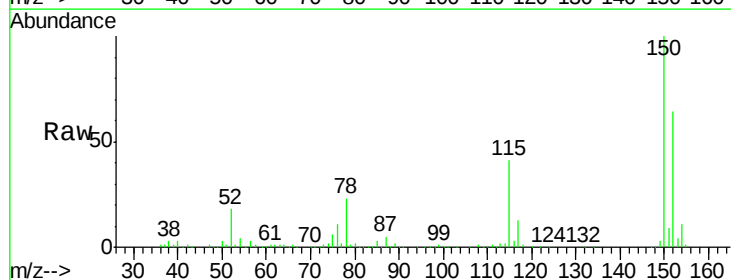


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

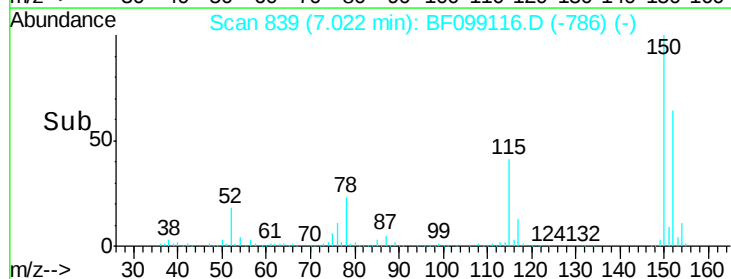
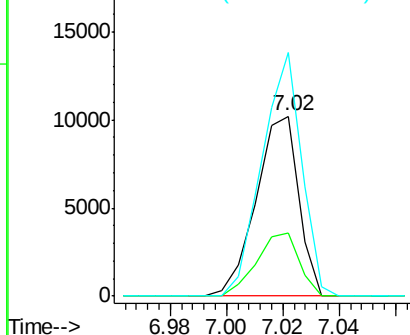


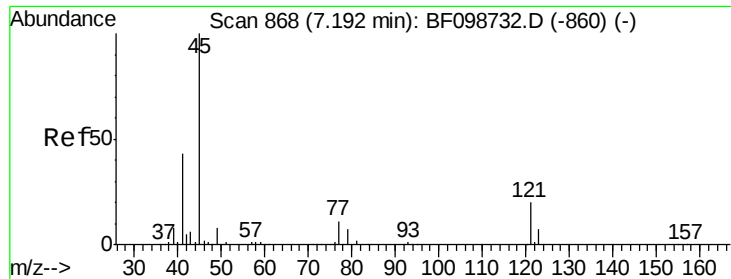
#15
 Benzyl Alcohol
 Concen: 1.35 ng
 RT: 7.02 min Scan# 839
 Delta R.T. 0.01 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

Tgt Ion: 79 Resp: 10674
 Ion Ratio Lower Upper
 79 100
 108 35.1 65.1 97.7#
 77 135.5 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0

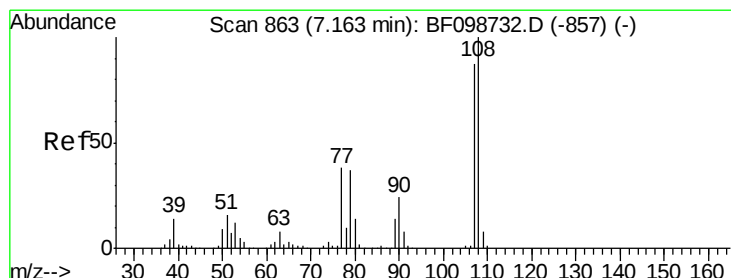
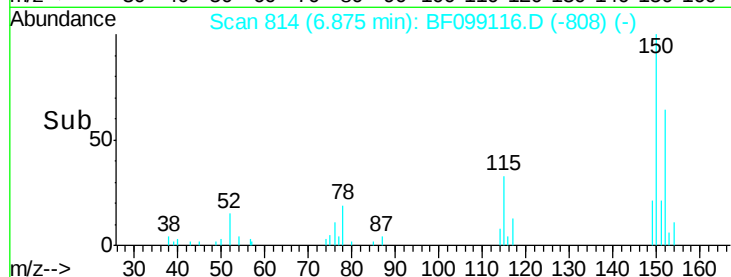
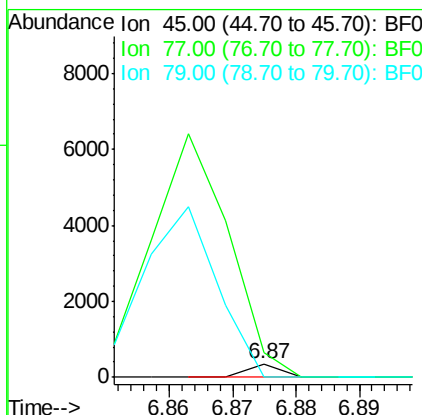
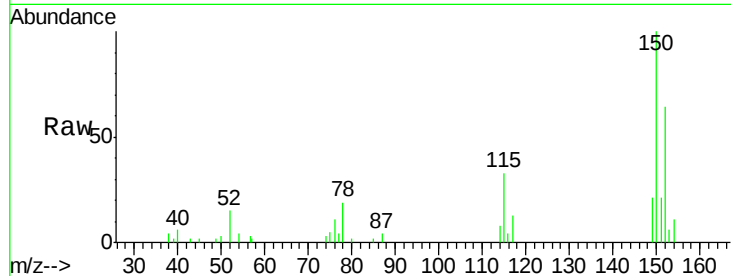




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.01 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.26 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

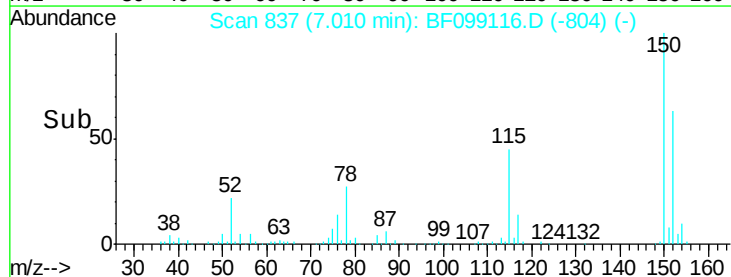
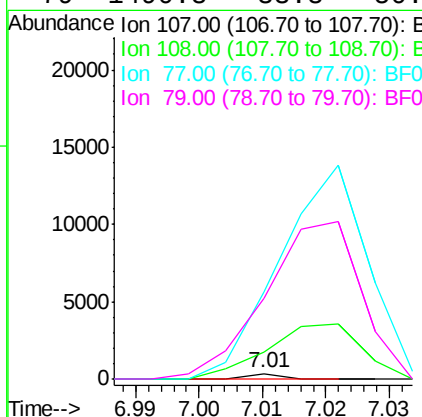
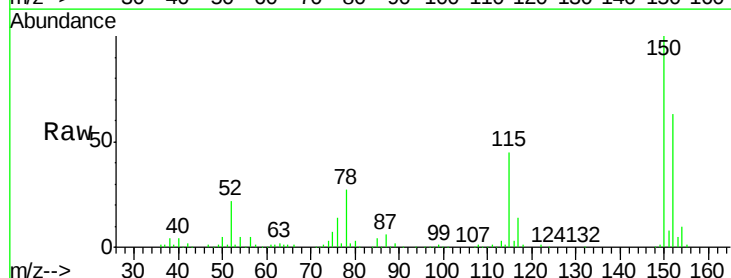
Instrument :
BNA_F
ClientSampleId :

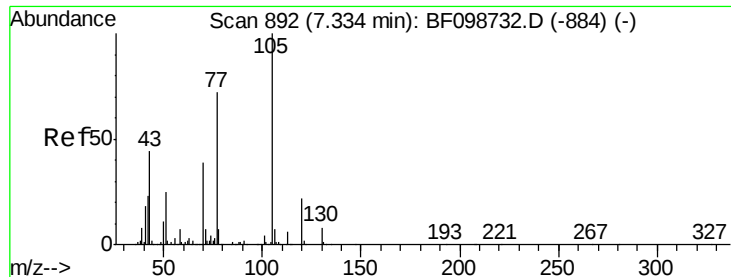
Tot Ion: 45 Resp: 126
Ion Ratio Lower Upper
45 100
77 179.5 0.0 32.9#
79 0.0 0.0 29.6



#17
2-Methylphenol
Concen: 0.02 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.11 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion: 107 Resp: 123
Ion Ratio Lower Upper
107 100
108 498.0 91.7 137.5#
77 1622.1 33.8 50.8#
79 1490.8 33.8 50.8#

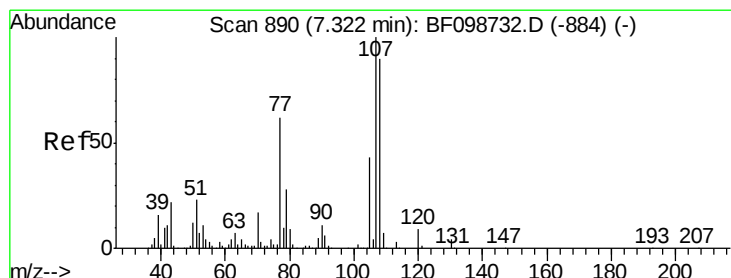
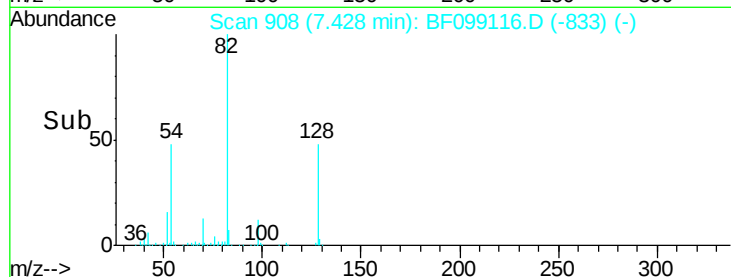
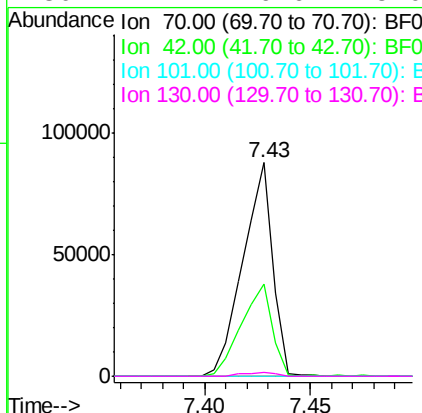
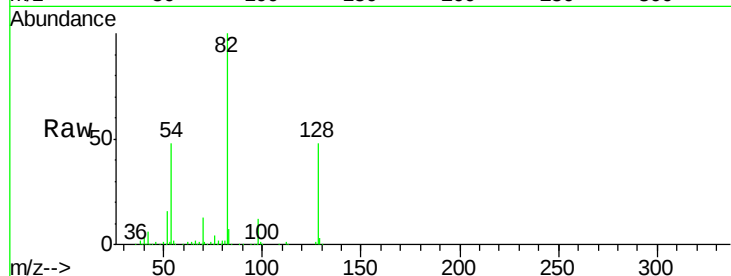




#19
n-Nitroso-di-n-propylamine
Concen: 12.55 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

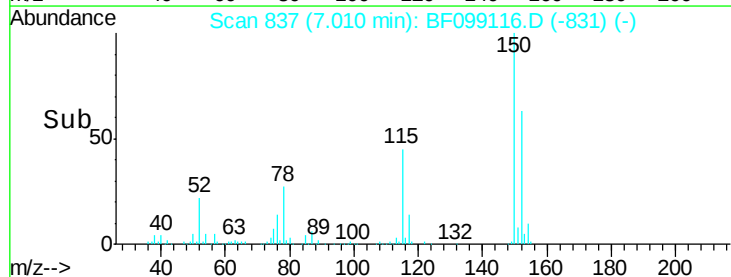
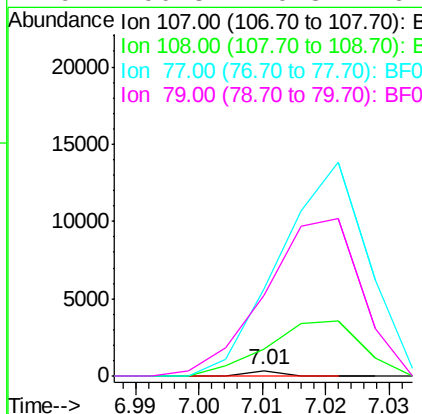
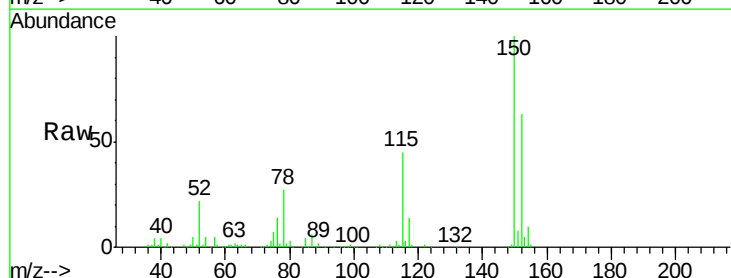
Instrument :
BNA_F
ClientSampleId :

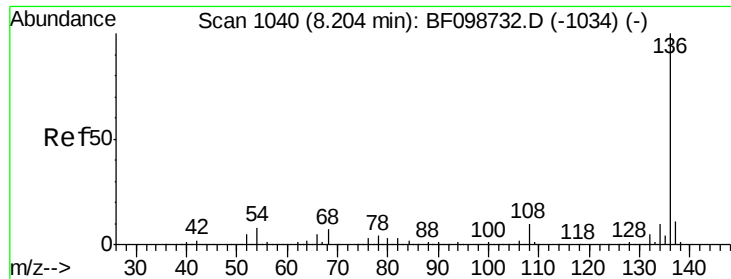
Tot Ion: 70 Resp: 86166
Ion Ratio Lower Upper
70 100
42 43.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#20
3+4-Methylphenols
Concen: 0.01 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.26 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:107 Resp: 123
Ion Ratio Lower Upper
107 100
108 498.0 68.2 108.2#
77 1622.1 26.7 66.7#
79 1490.8 6.3 46.3#

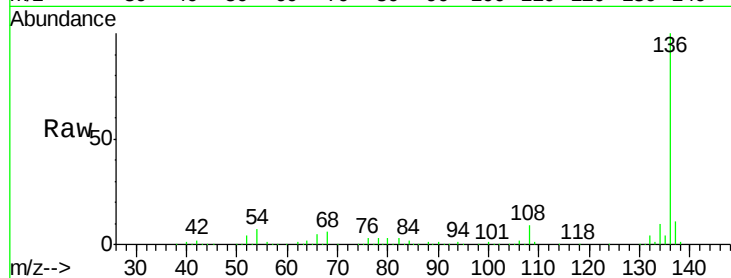




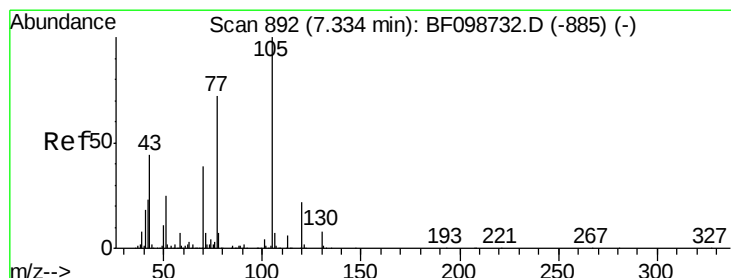
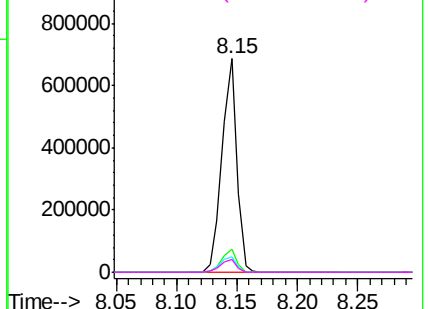
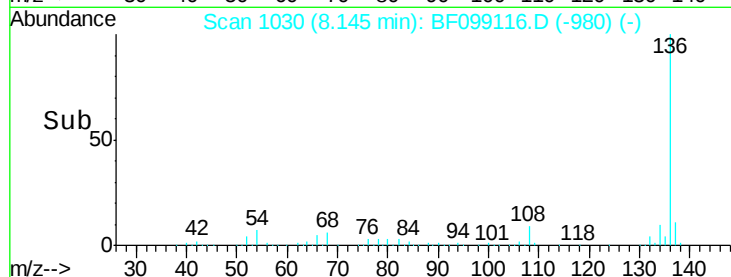
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	582335
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.4	6.6 9.8
68	5.9	5.0 7.4

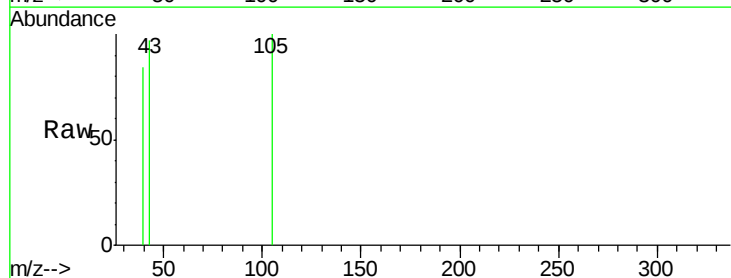


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

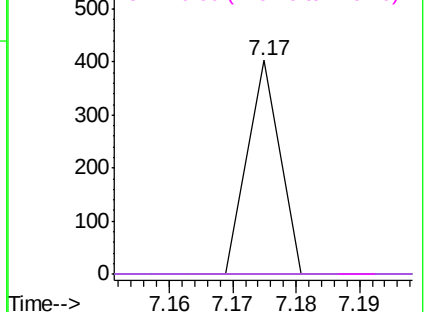
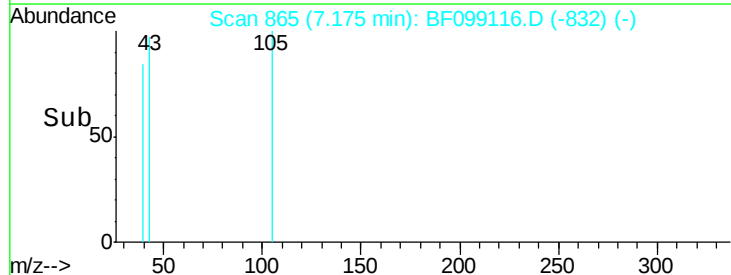


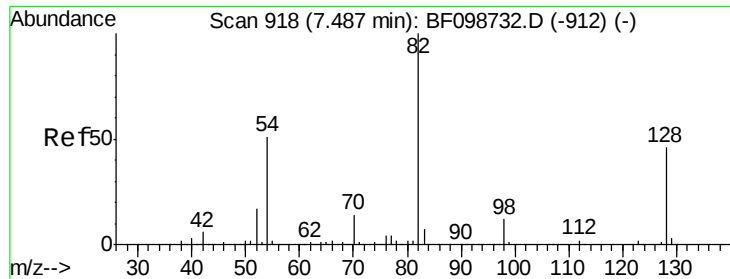
#22
Acetophenone
Concen: 0.01 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.11 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:105	Resp:	142
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#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

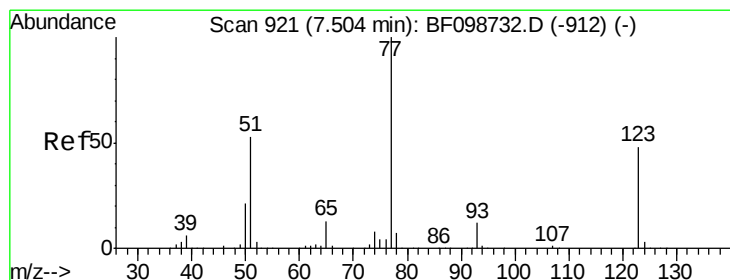
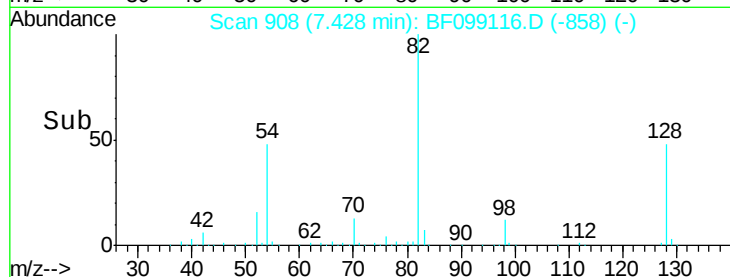
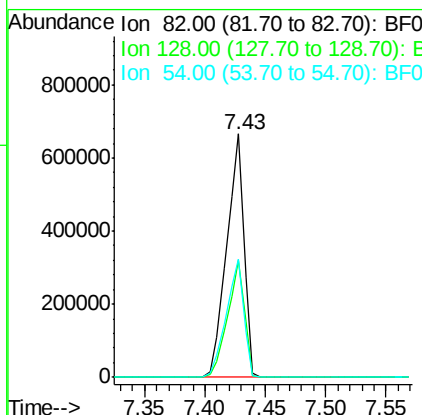
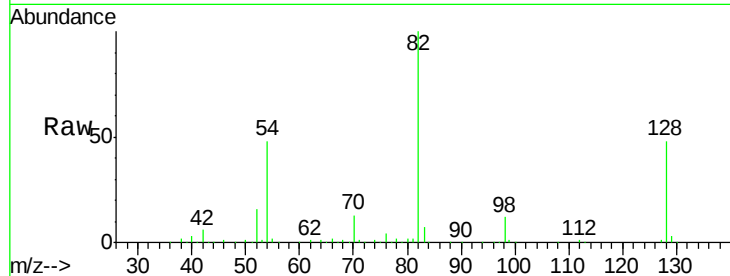




#23
 Nitrobenzene-d5
 Concen: 72.85 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

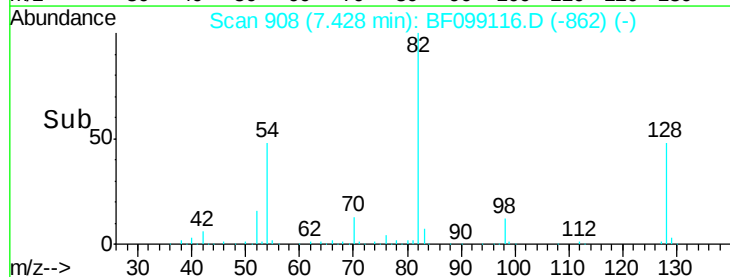
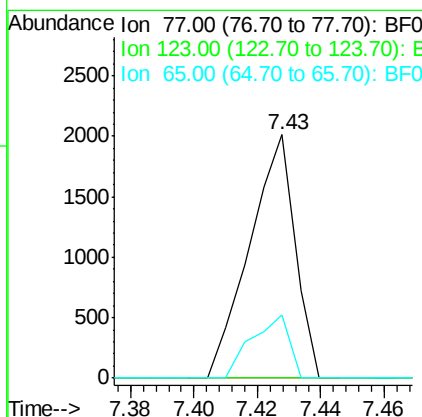
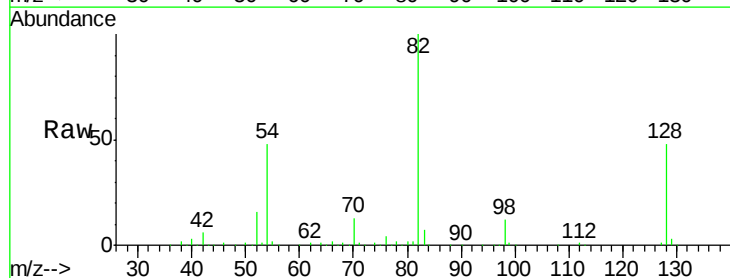
Instrument :
 BNA_F
 ClientSampleID :

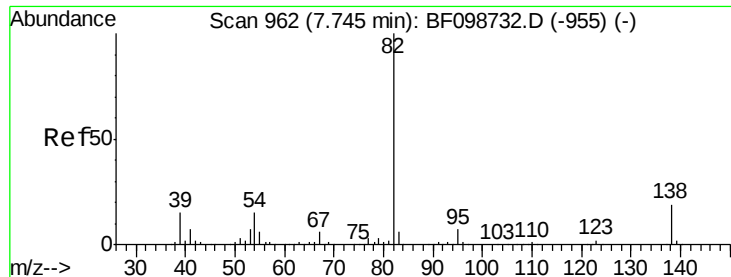
Tot Ion	82	Resp	661505
Ion Ratio	100	Lower	Upper
128	47.8	36.1	54.1
54	48.4	41.4	62.2



#24
 Nitrobenzene
 Concen: 0.19 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.03 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

Tgt Ion	77	Resp	2002
Ion Ratio	100	Lower	Upper
123	0.0	37.9	56.9#
65	26.1	11.0	16.4#





#25

Isophorone

Concen: 35.22 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

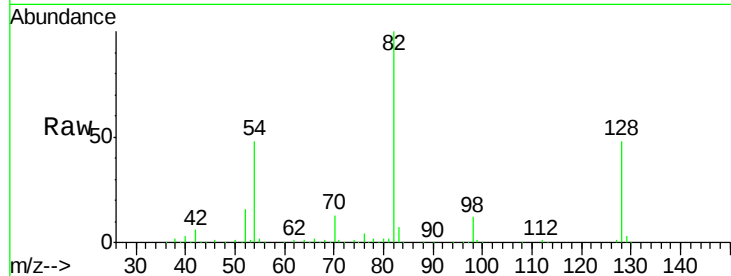
Tot Ion: 82 Resp: 661253

Ion Ratio Lower Upper

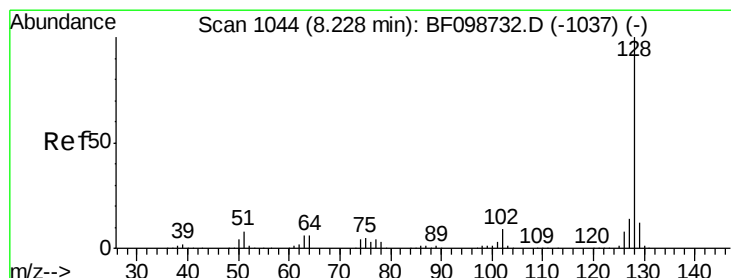
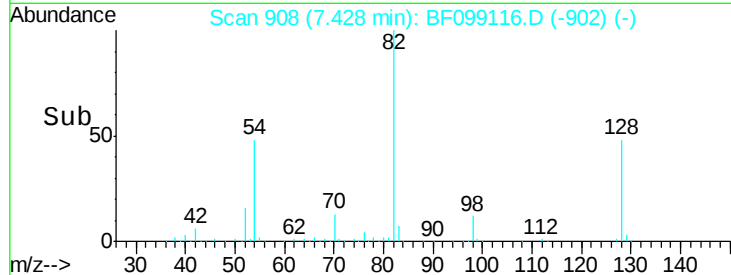
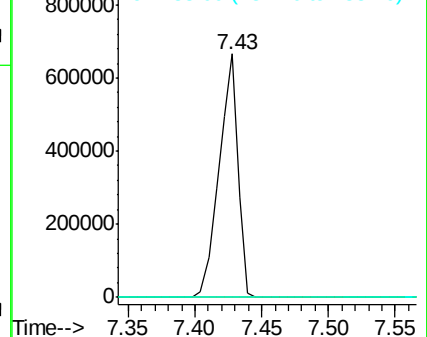
82 100

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): E



#31

Naphthalene

Concen: 0.13 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

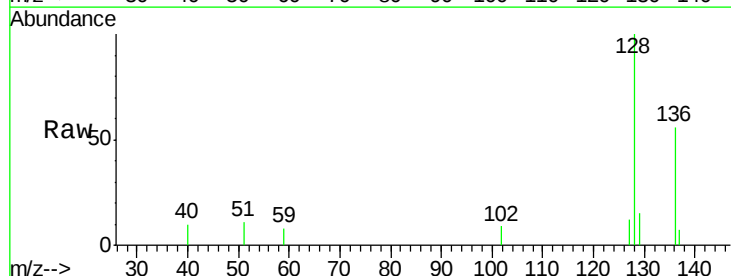
Tgt Ion: 128 Resp: 3621

Ion Ratio Lower Upper

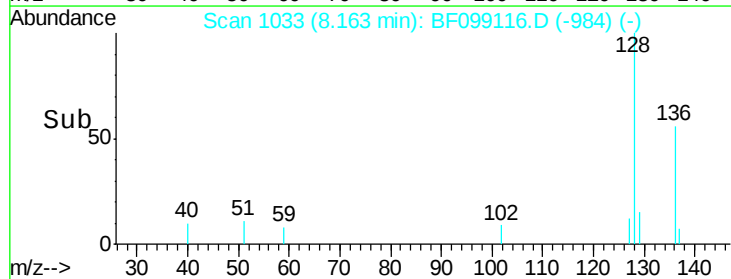
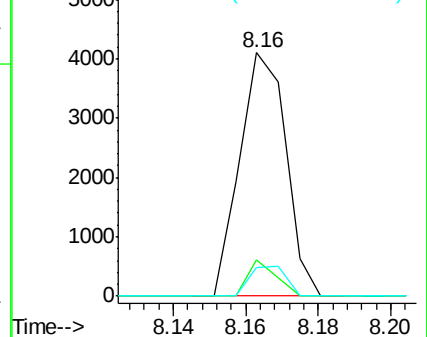
128 100

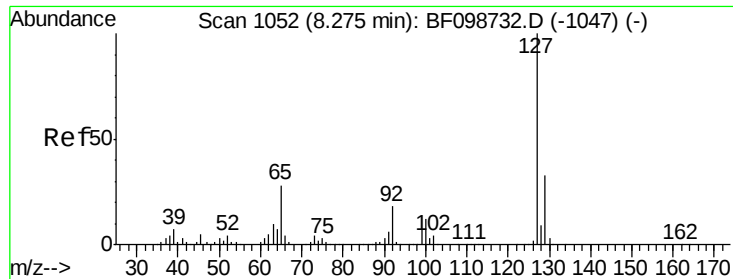
129 14.7 8.8 13.2#

127 11.8 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

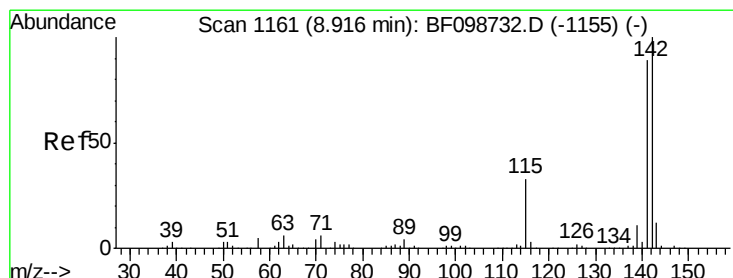
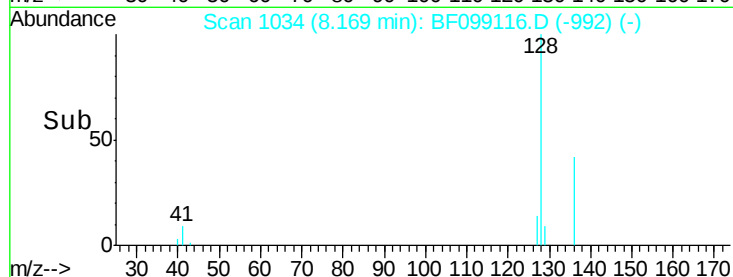
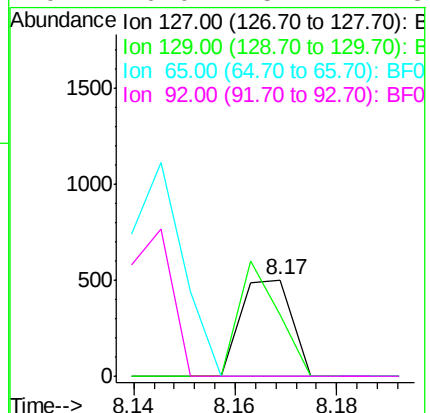
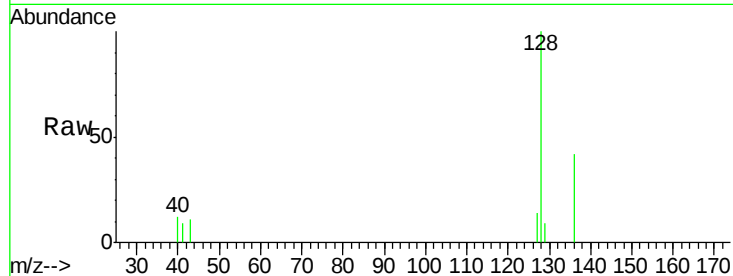




#33
4-Chloroaniline
Concen: 0.03 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

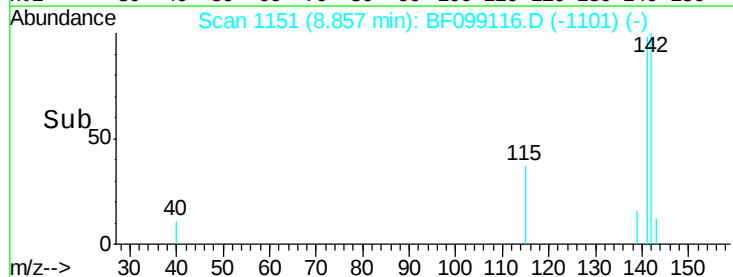
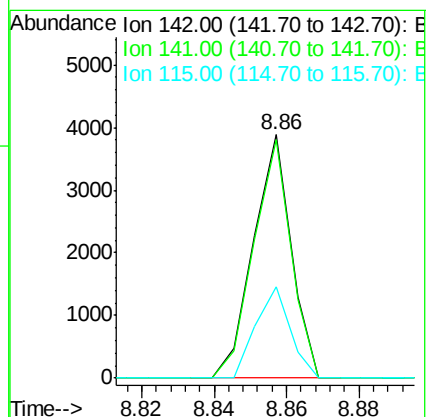
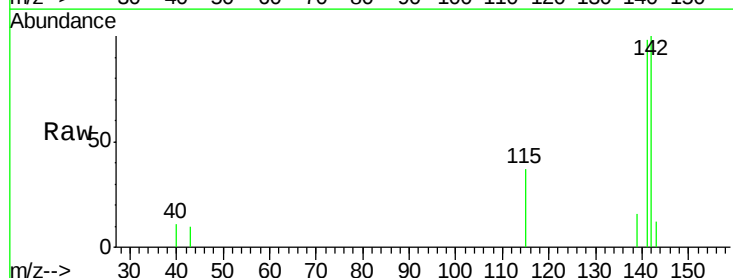
Instrument :
BNA_F
ClientSampleId :

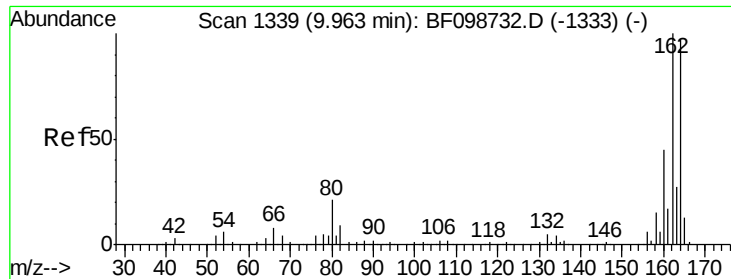
Tot Ion:127 Resp: 348
Ion Ratio Lower Upper
127 100
129 63.5 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 0.16 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:142 Resp: 2806
Ion Ratio Lower Upper
142 100
141 98.0 70.8 106.2
115 37.4 26.1 39.1

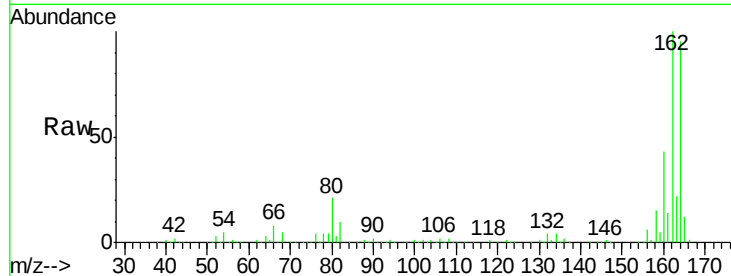




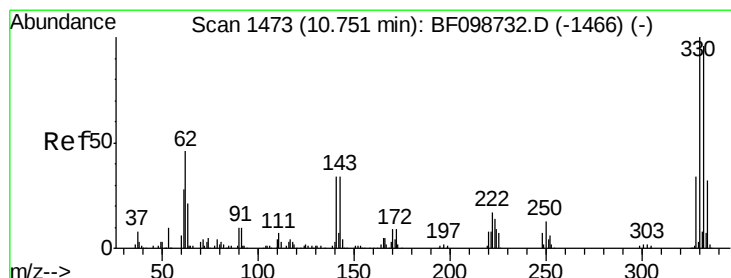
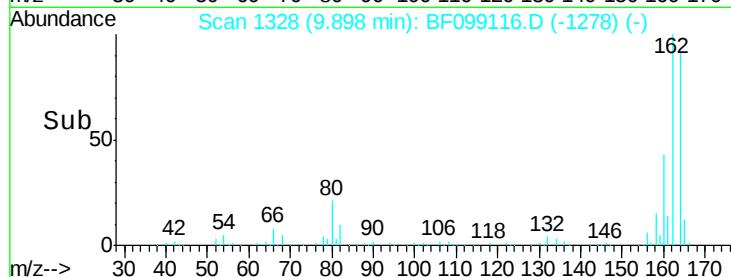
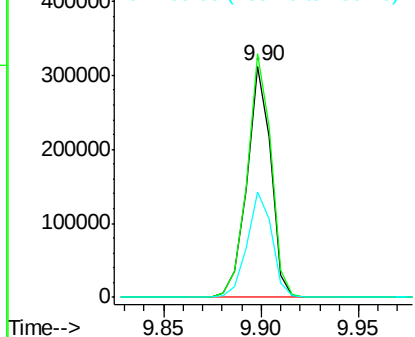
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 263899
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 45.3 38.3 57.5

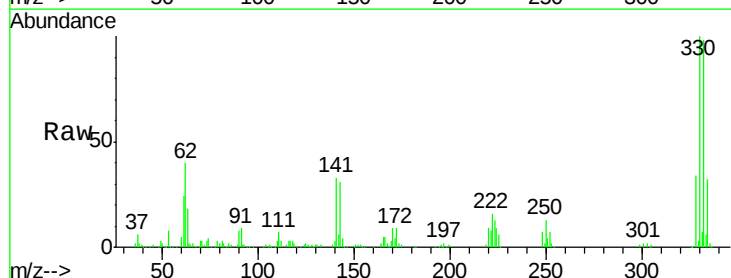


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

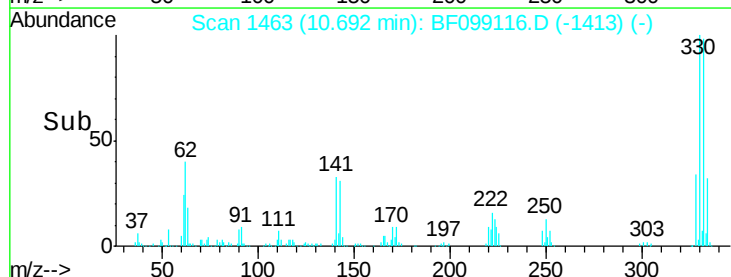
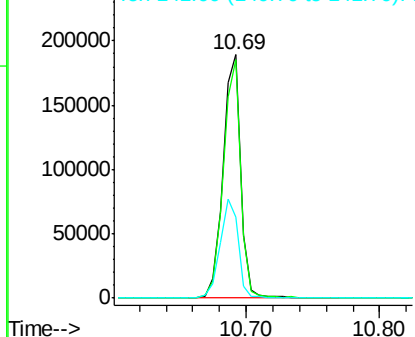


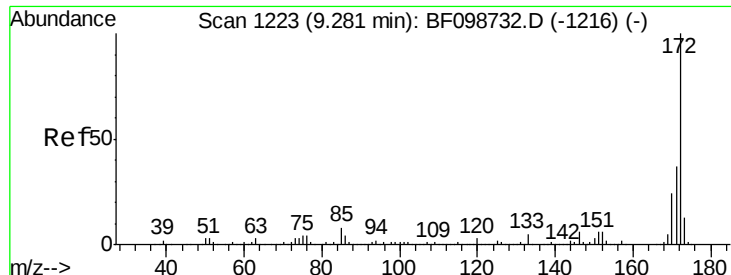
#41
2,4,6-Tribromophenol
Concen: 82.43 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:330 Resp: 177994
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 42.1 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



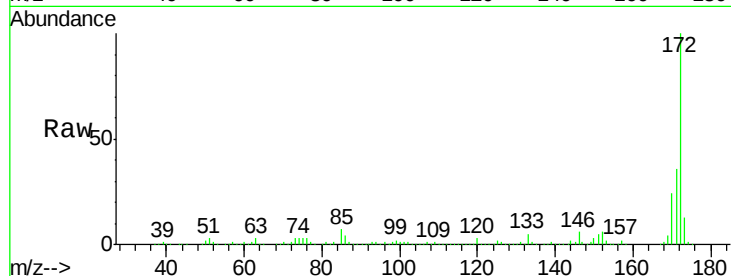


#44
 2-Fluorobiphenyl
 Concen: 74.93 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

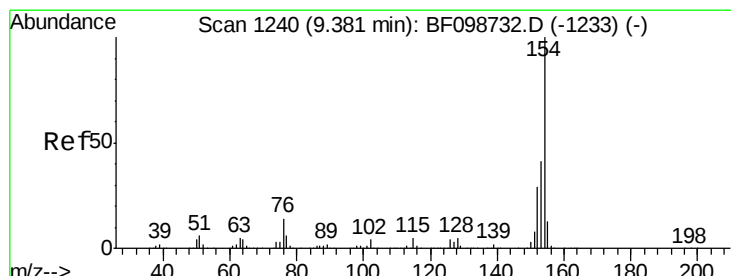
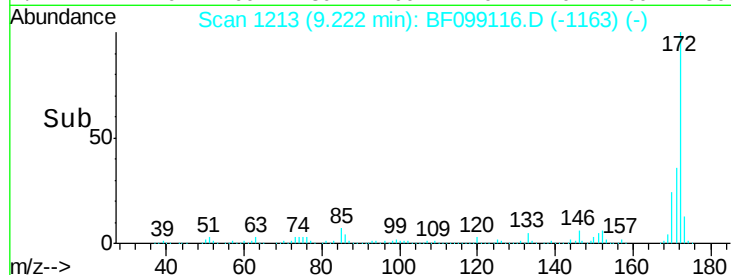
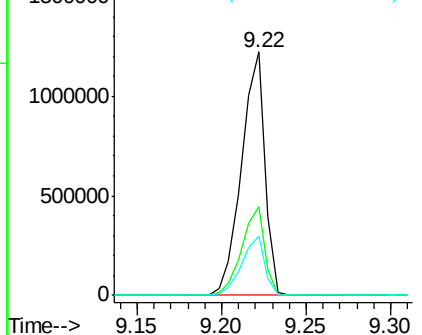
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1184538

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.4	19.6	29.4



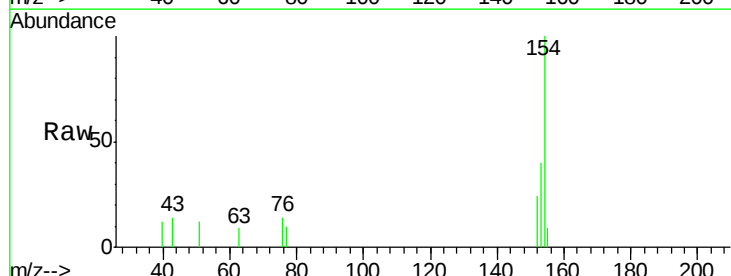
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



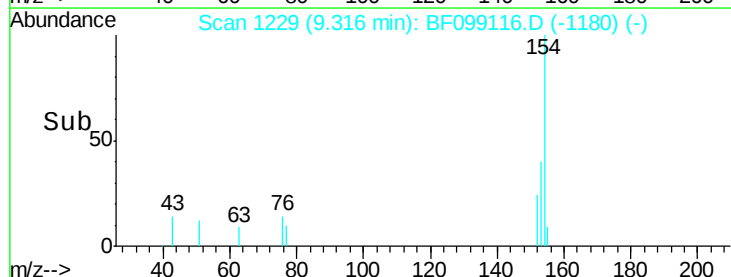
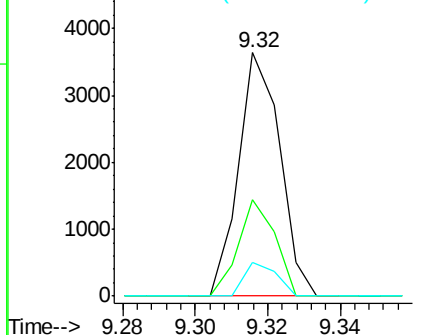
#45
 1,1'-Biphenyl
 Concen: 0.13 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

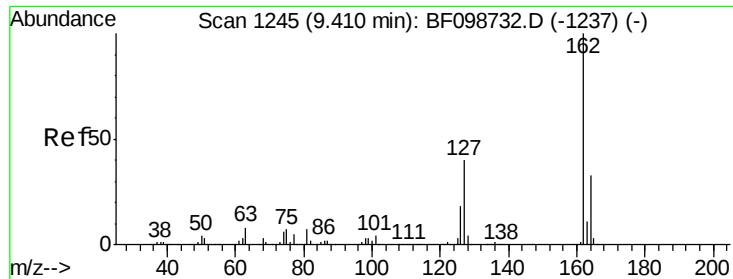
Tgt Ion:154 Resp: 2875

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.3	61.3
76	13.6	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

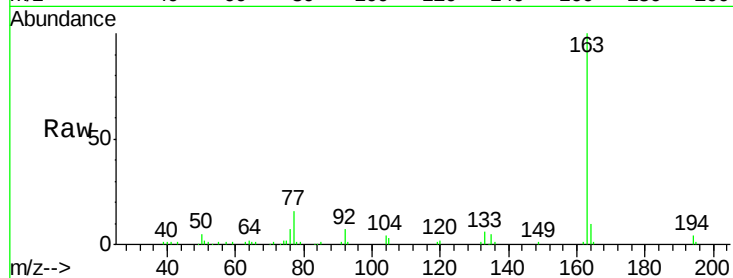




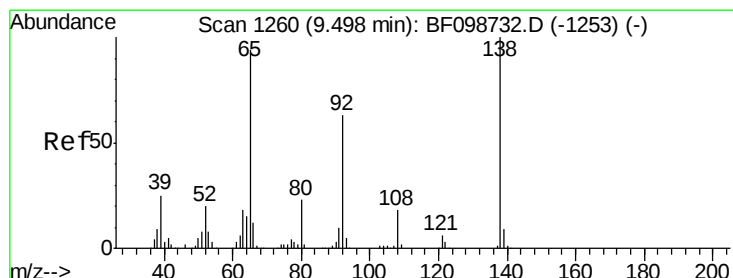
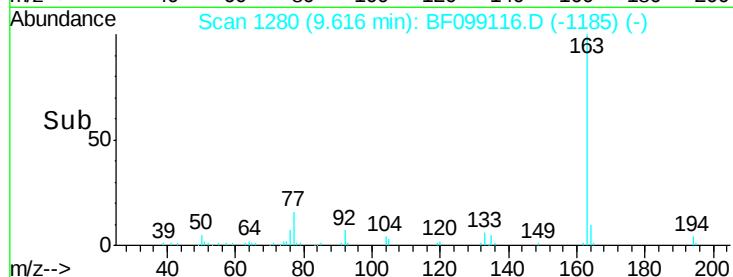
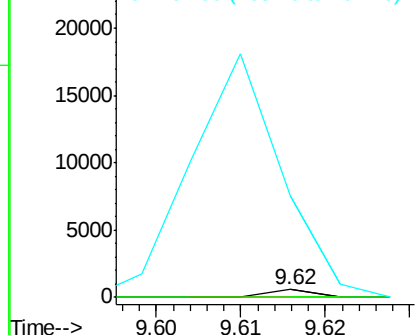
#46
2-Chloronaphthalene
Concen: 0.01 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.26 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:162 Resp: 206
Ion Ratio Lower Upper
162 100
127 0.0 33.9 50.9#
164 1283.7 26.5 39.7#

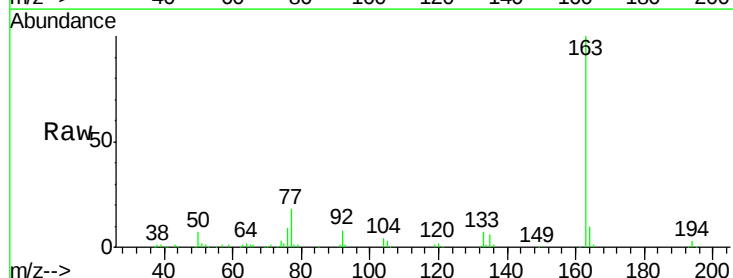


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

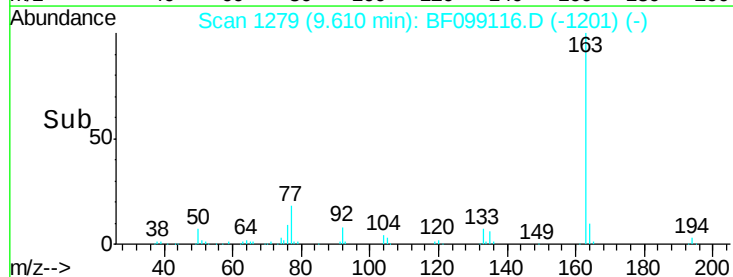
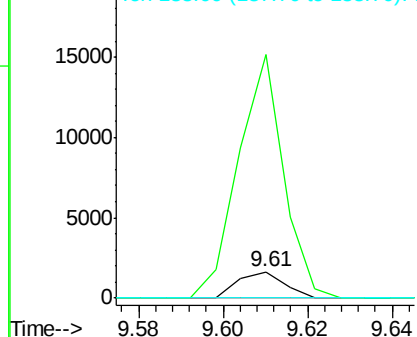


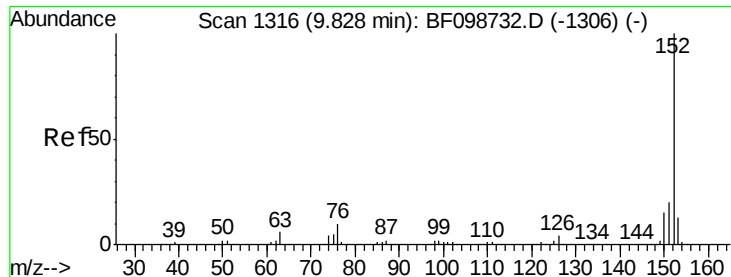
#47
2-Nitroaniline
Concen: 0.24 ng
RT: 9.61 min Scan# 1279
Delta R.T. 0.16 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion: 65 Resp: 1243
Ion Ratio Lower Upper
65 100
92 931.8 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: 0.13 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

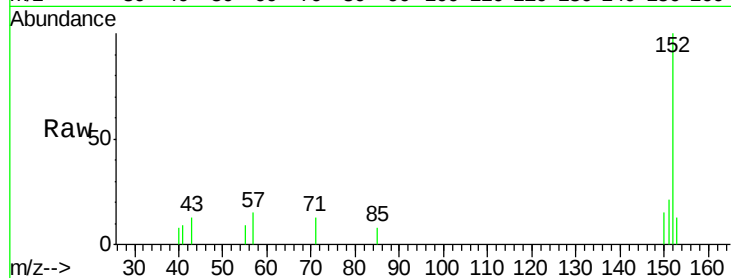
Tot Ion:152 Resp: 3388

Ion Ratio Lower Upper

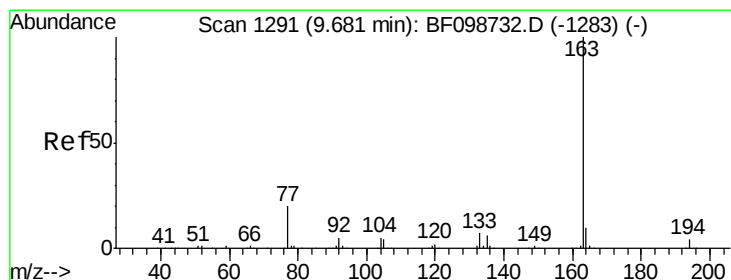
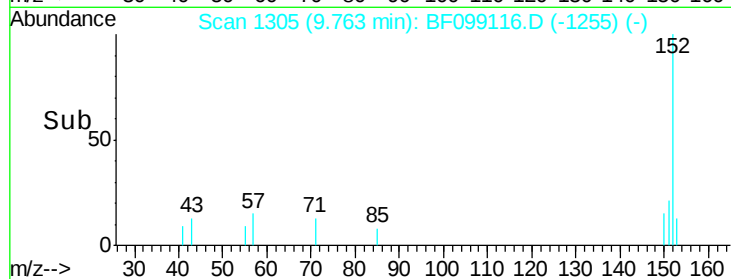
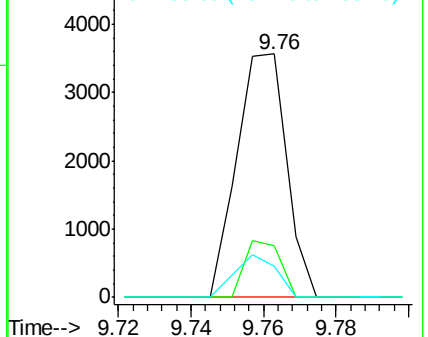
152 100

151 21.4 16.3 24.5

153 12.9 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: 6.72 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

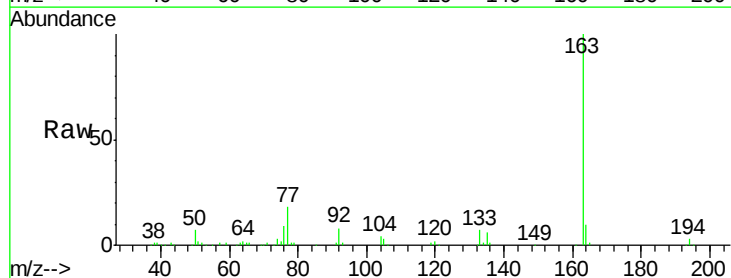
Tgt Ion:163 Resp: 133776

Ion Ratio Lower Upper

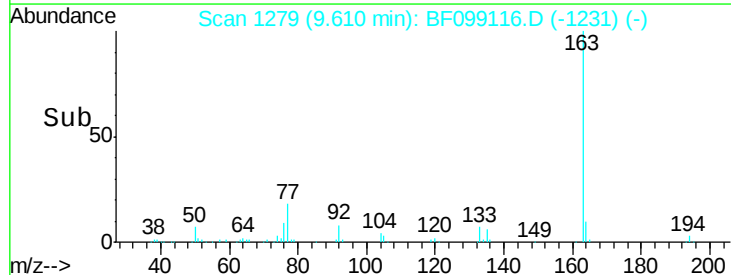
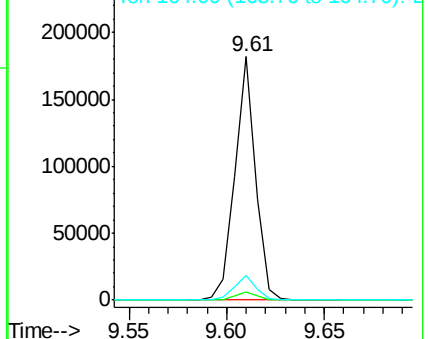
163 100

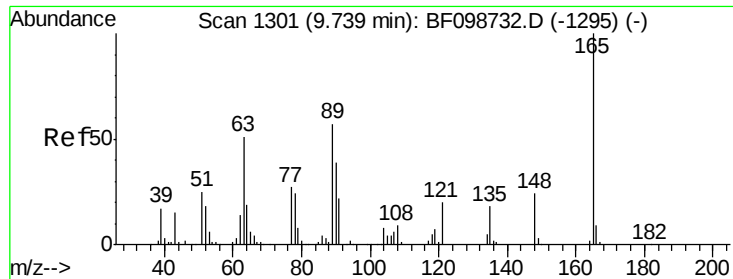
194 3.2 2.7 4.1

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

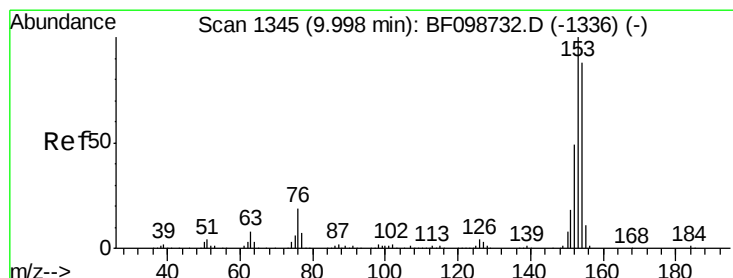
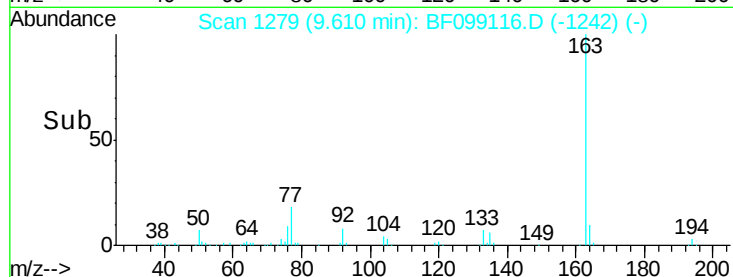
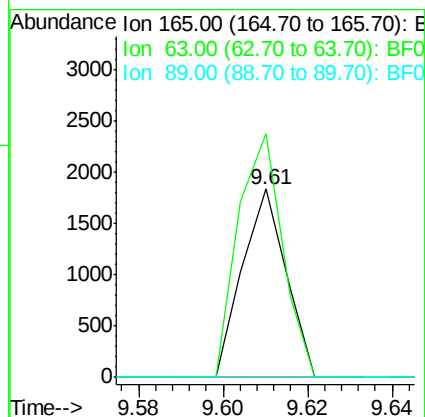
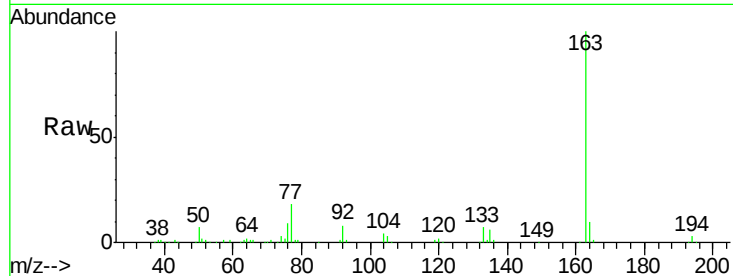




#50
2,6-Dinitrotoluene
Concen: 0.30 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.08 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

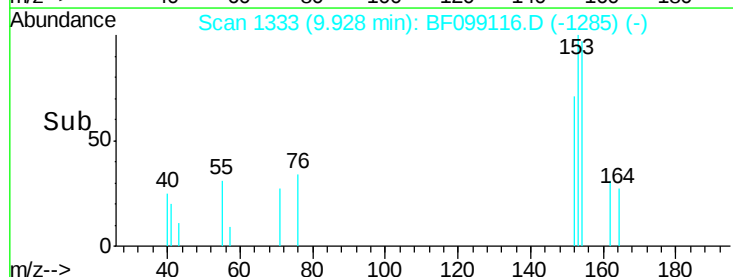
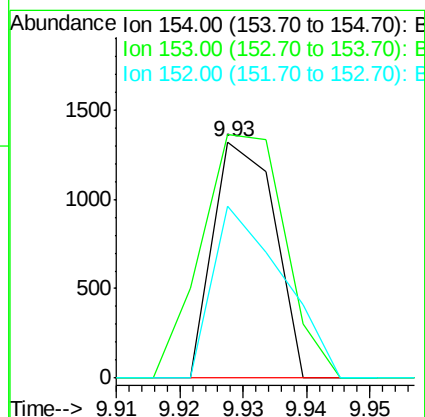
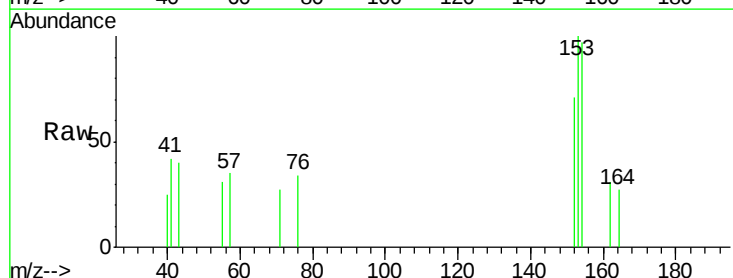
Instrument :
BNA_F
ClientSampleId :

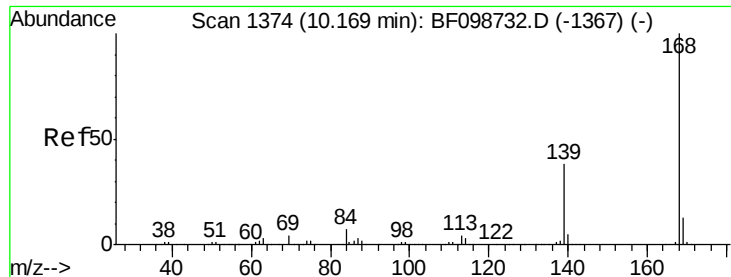
Tot Ion:165 Resp: 1313
Ion Ratio Lower Upper
165 100
63 129.4 44.7 67.1#
89 0.0 44.0 66.0#



#51
Acenaphthene
Concen: 0.05 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:154 Resp: 873
Ion Ratio Lower Upper
154 100
153 103.1 91.2 136.8
152 72.7 43.8 65.8#

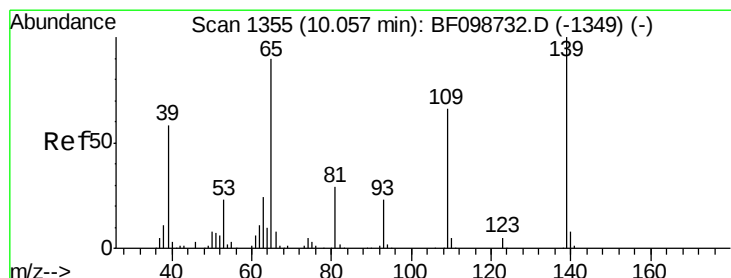
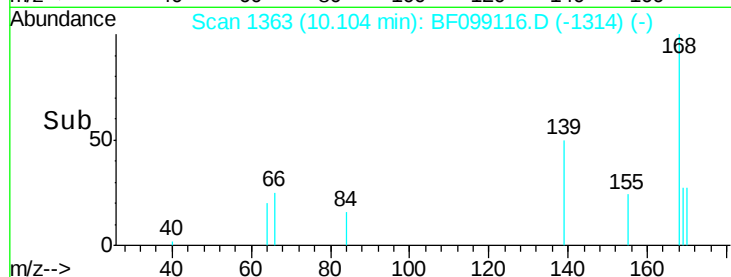
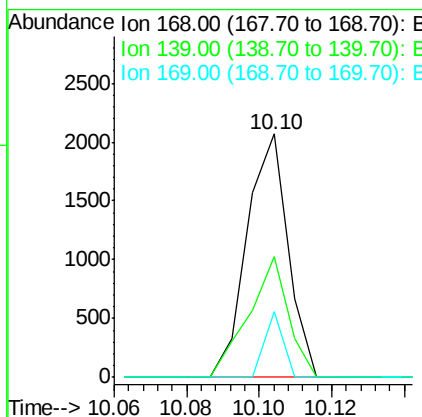
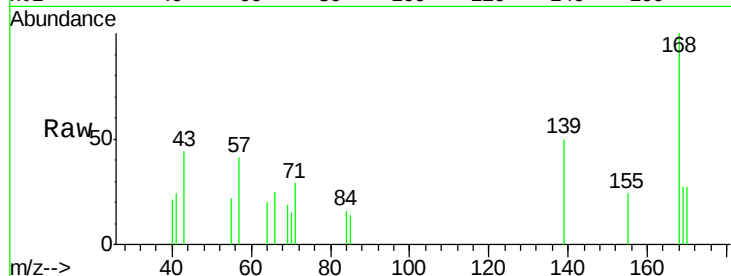




#54
Dibenzofuran
Concen: 0.07 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

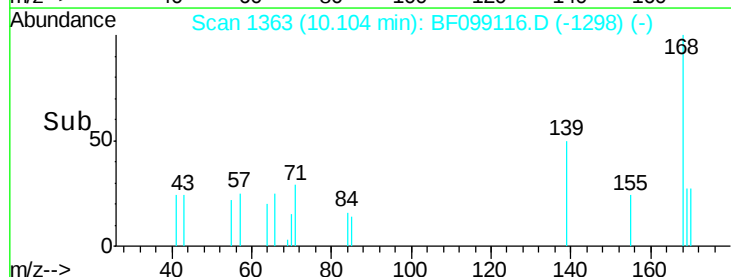
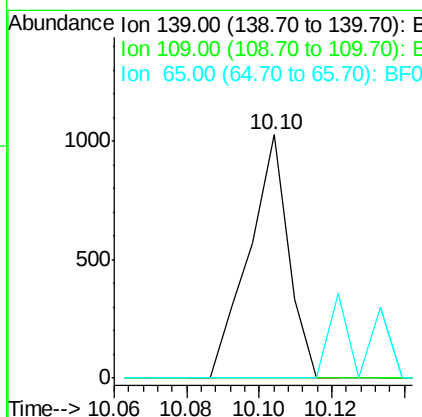
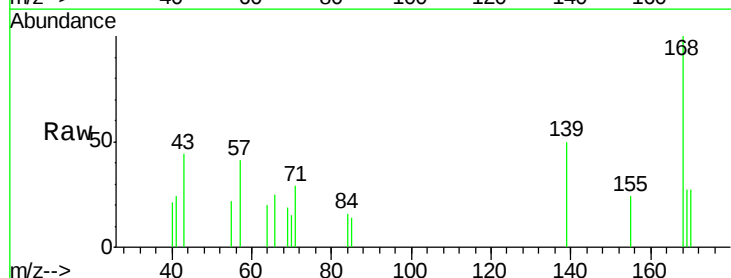
Instrument :
BNA_F
ClientSampleId :

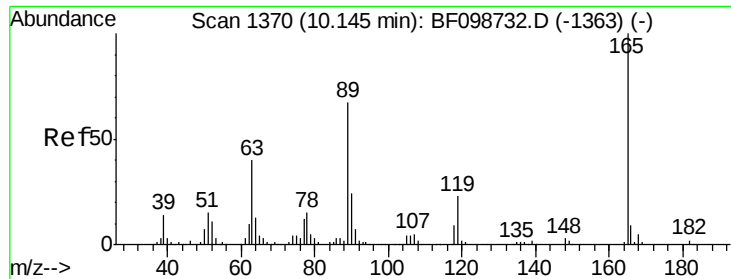
Tot Ion:168 Resp: 1640
Ion Ratio Lower Upper
168 100
139 49.7 30.1 45.1#
169 26.9 10.9 16.3#



#55
4-Nitrophenol
Concen: 0.18 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:139 Resp: 788
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

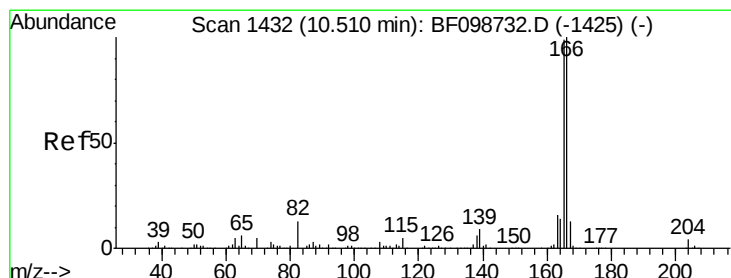
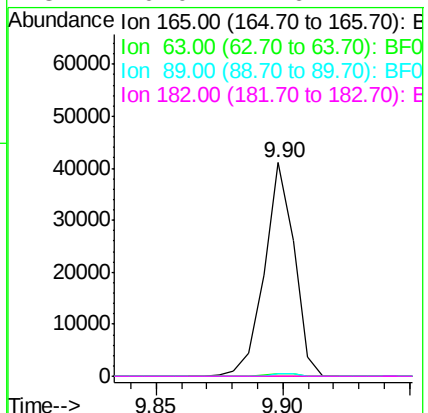
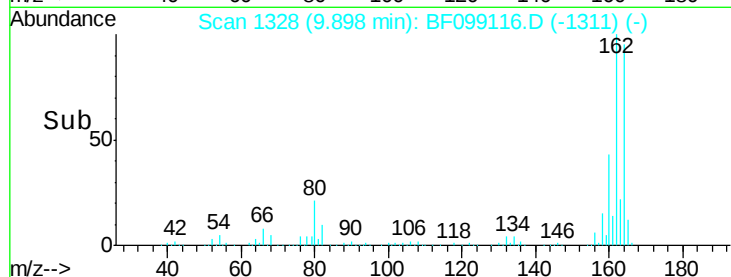
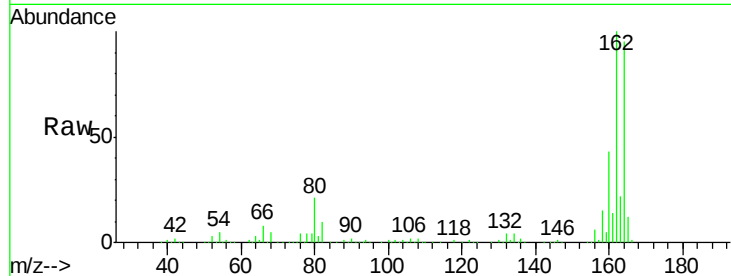




#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

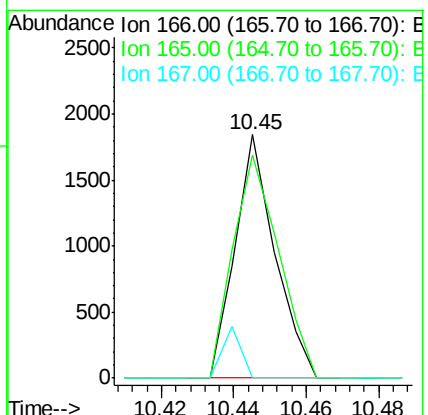
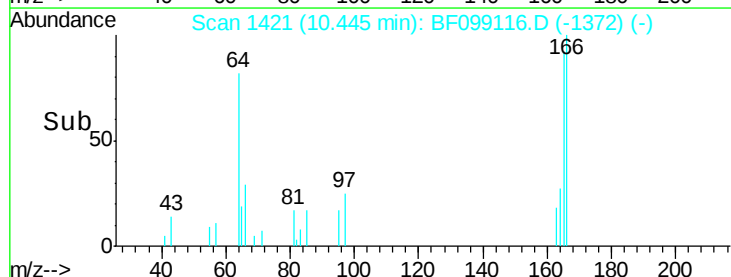
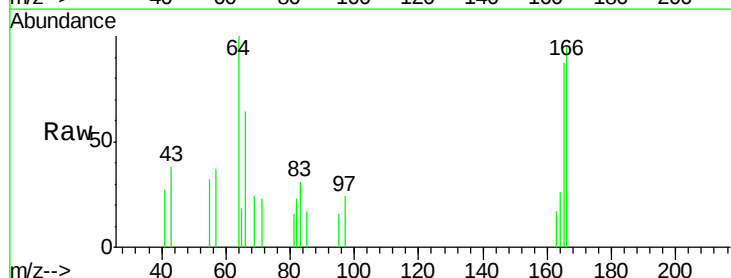
Instrument :
BNA_F
ClientSampleId :

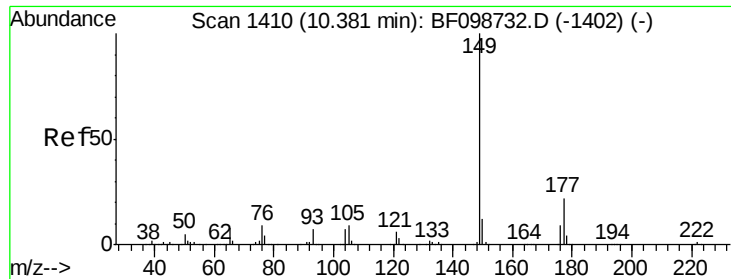
Tot Ion:165	Resp:	33933
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.4 54.6#
89	1.2	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 0.08 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:166	Resp:	1410
Ion Ratio	Lower	Upper
166	100	
165	91.8	79.8 119.8
167	0.0	10.6 16.0#

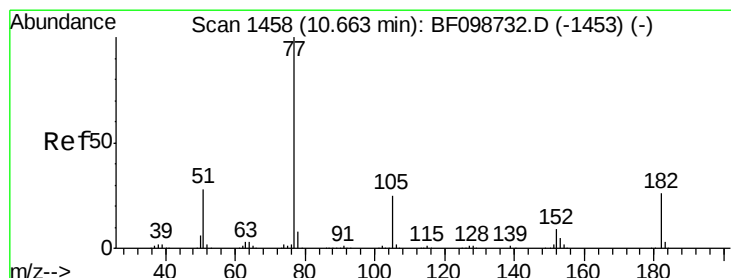
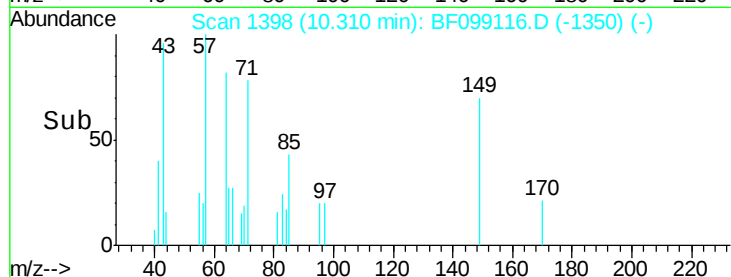
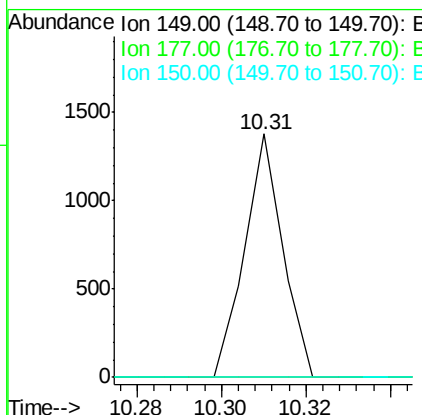
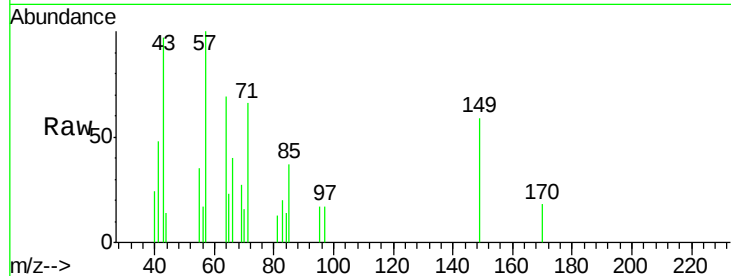




#59
Diethylphthalate
Concen: 0.04 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.02 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

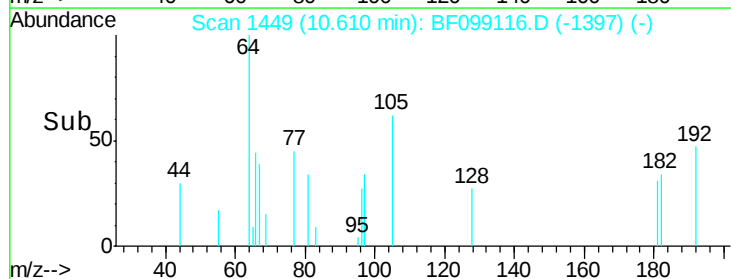
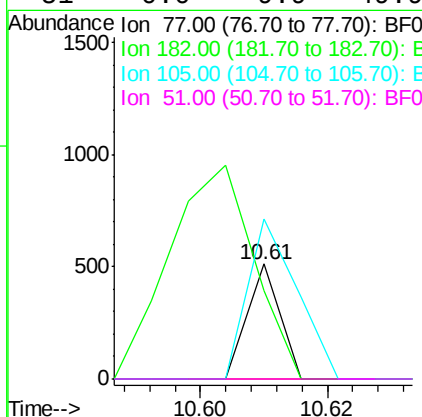
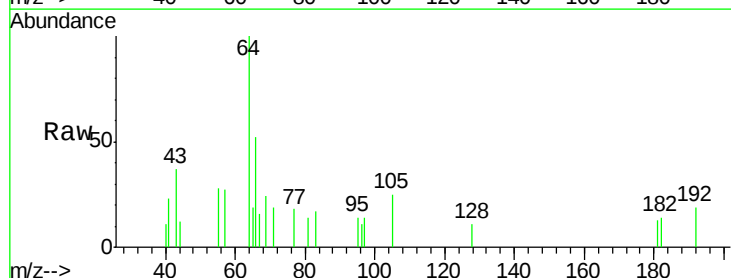
Instrument :
BNA_F
ClientSampleId :

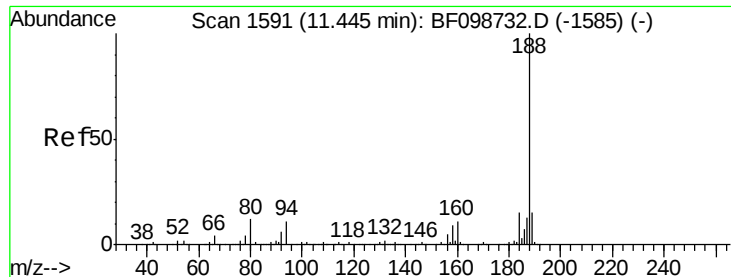
Tot Ion: 149 Resp: 862
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.01 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion: 77 Resp: 180
Ion Ratio Lower Upper
77 100
182 76.9 1.7 41.7#
105 139.9 3.0 43.0#
51 0.0 9.9 49.9#

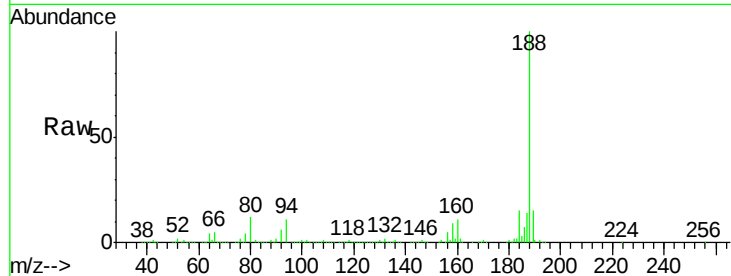




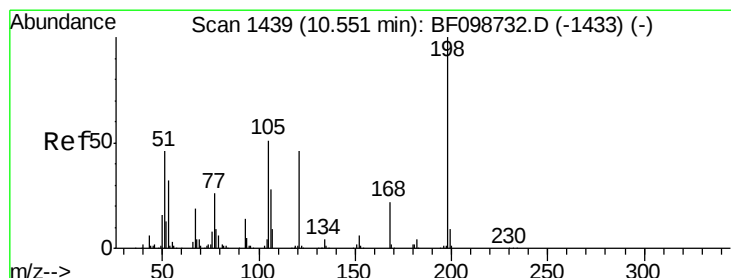
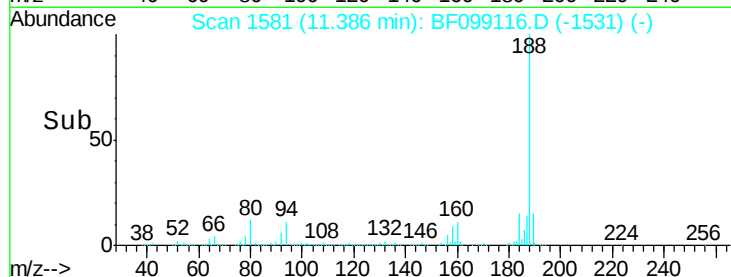
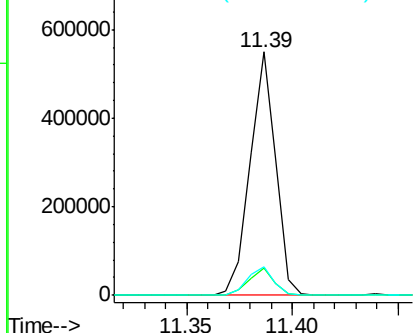
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 459979
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.0 9.2 13.8

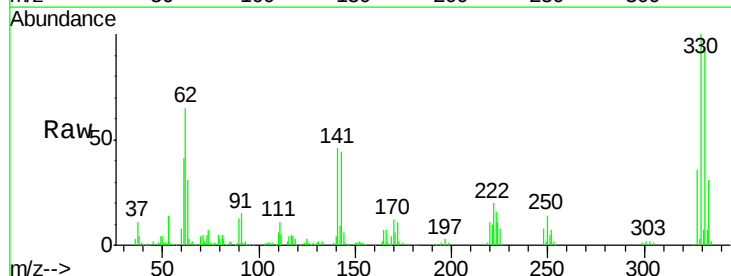


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

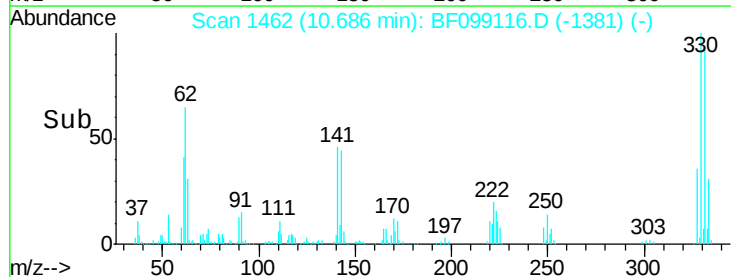
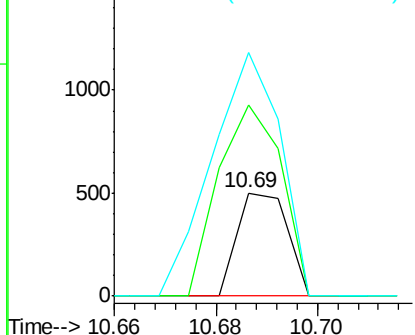


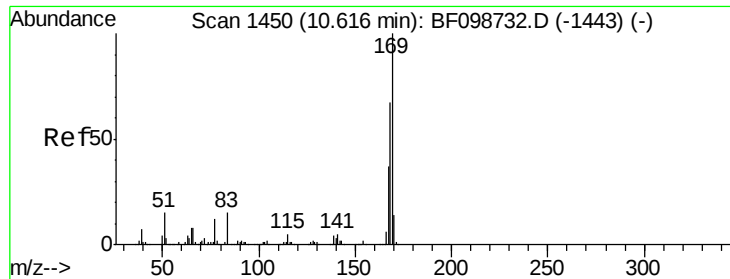
#64
4,6-Dinitro-2-methylphenol
Concen: 0.12 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.18 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:198 Resp: 343
Ion Ratio Lower Upper
198 100
51 185.4 37.7 77.7#
105 236.4 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

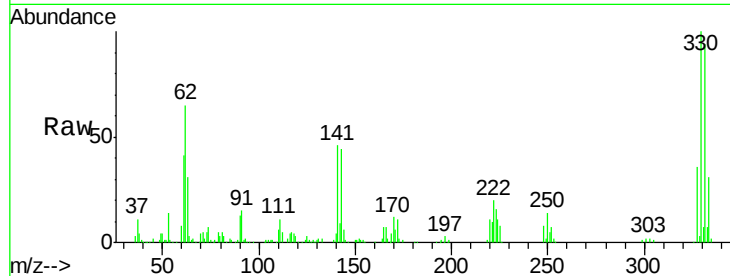




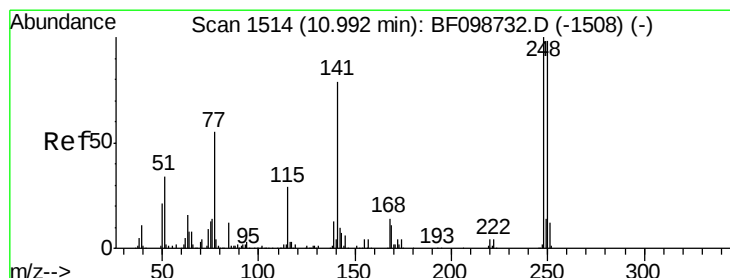
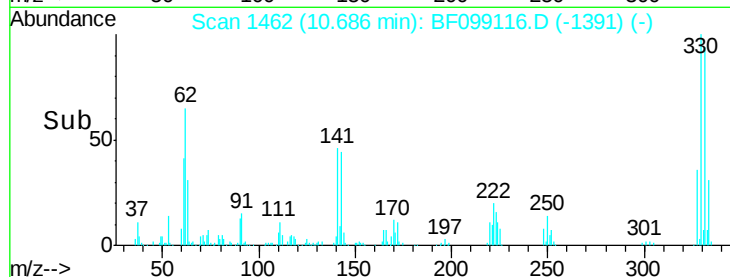
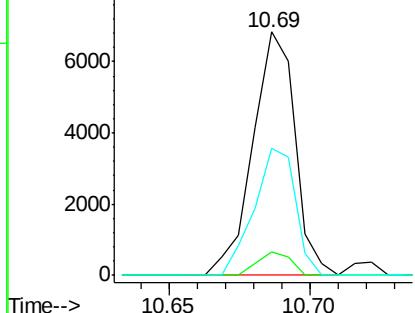
#65
n-Nitrosodiphenylamine
Concen: 0.45 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.12 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:169 Resp: 7117
Ion Ratio Lower Upper
169 100
168 9.7 54.4 81.6#
167 52.4 29.8 44.6#

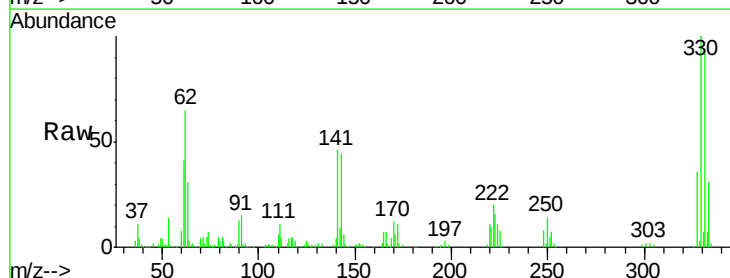


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

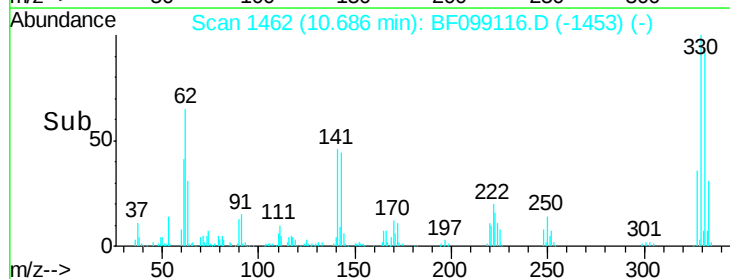
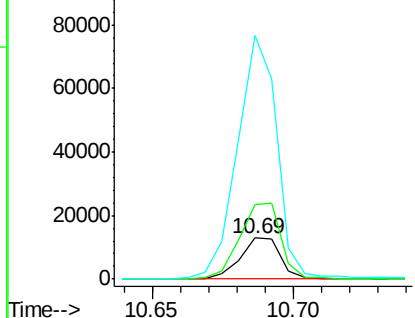


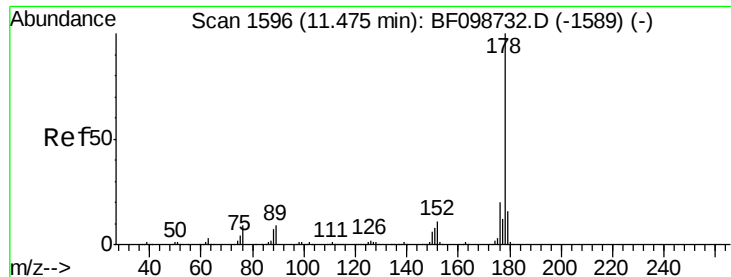
#66
4-Bromophenyl-phenylether
Concen: 2.78 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:248 Resp: 12539
Ion Ratio Lower Upper
248 100
250 183.2 76.9 115.3#
141 596.3 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: 1.11 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampled :

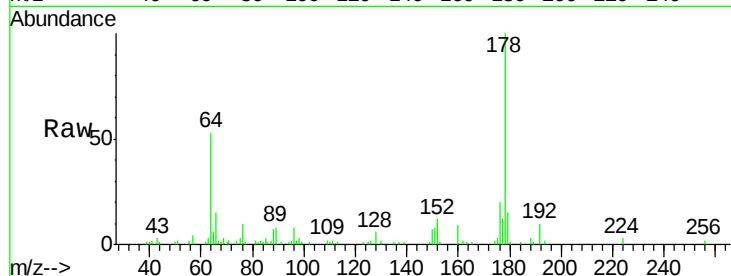
Tot Ion:178 Resp: 27254

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

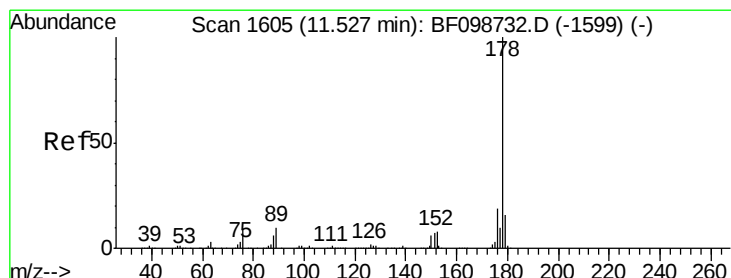
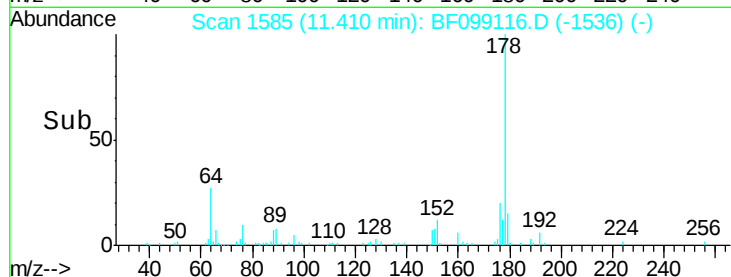
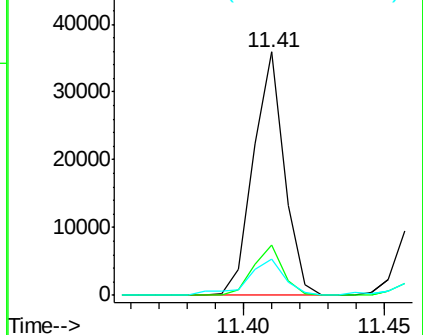
179 15.0 13.0 19.6



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: 0.36 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

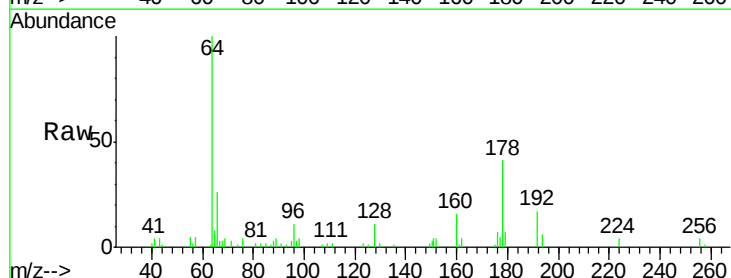
Tgt Ion:178 Resp: 8967

Ion Ratio Lower Upper

178 100

176 17.0 15.4 23.2

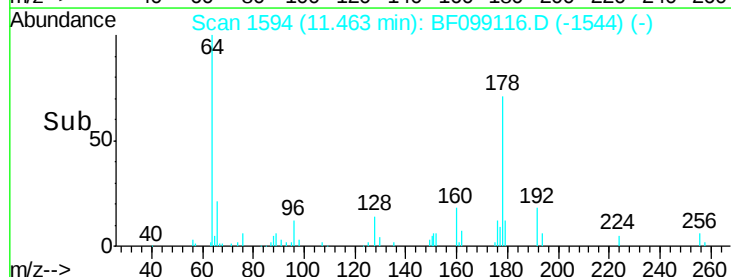
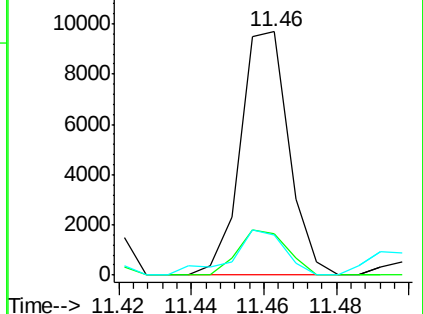
179 16.5 12.6 19.0

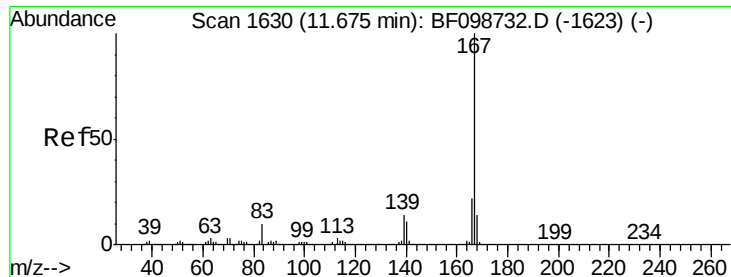


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.13 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

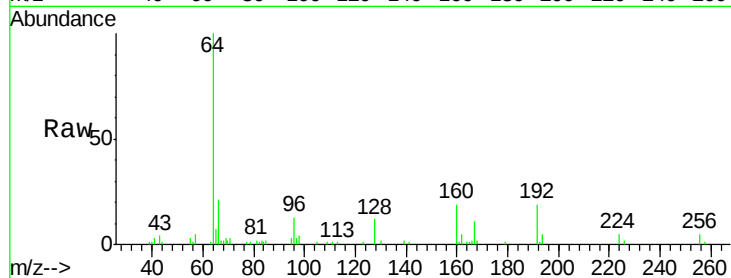
Tot Ion:167 Resp: 3171

Ion Ratio Lower Upper

167 100

166 19.0 17.6 26.4

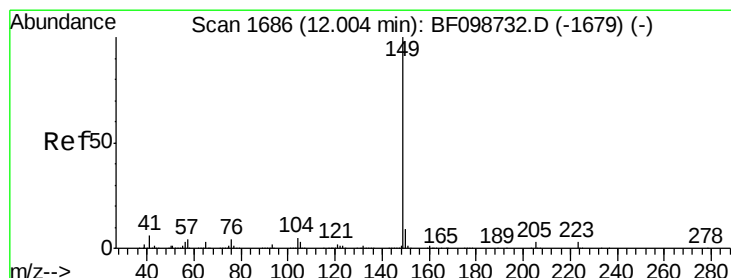
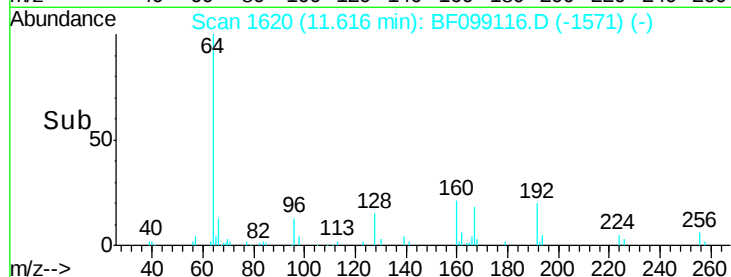
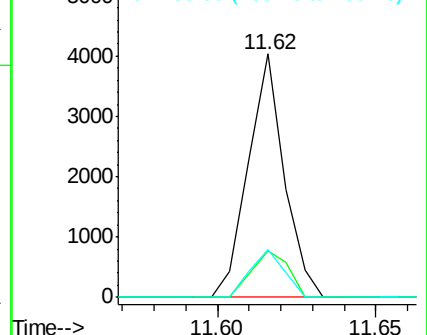
139 19.5 10.9 16.3#



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: 0.10 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

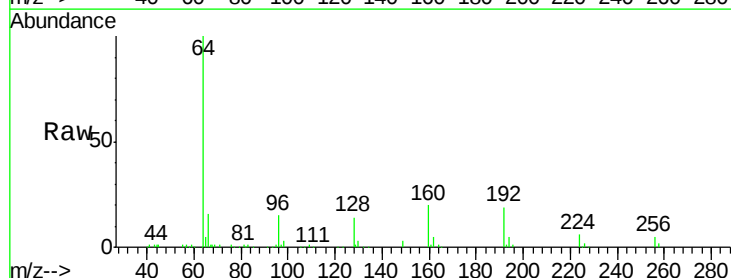
Tgt Ion:149 Resp: 3100

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

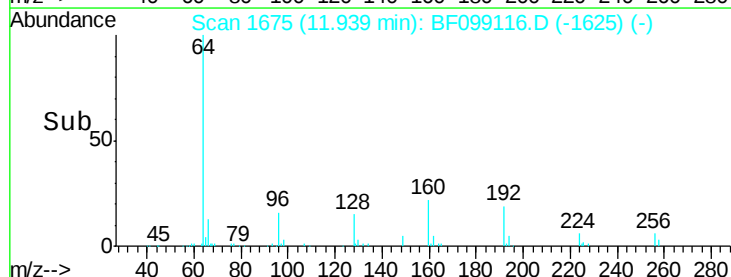
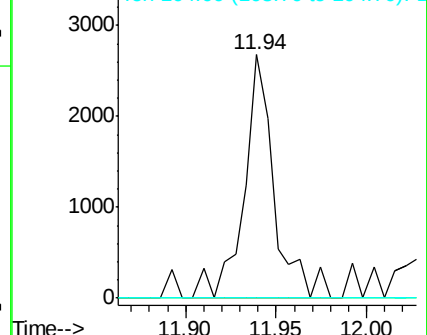
104 0.0 3.8 5.8#

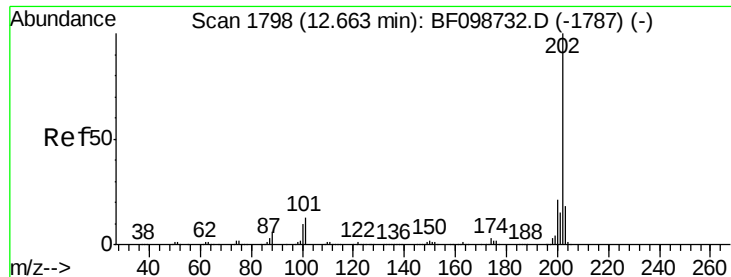


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

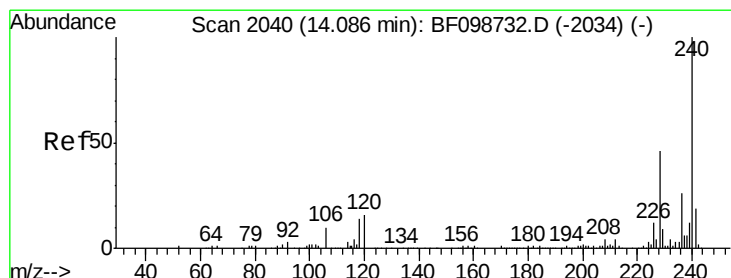
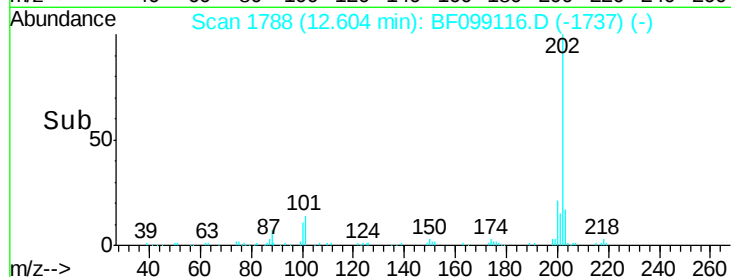
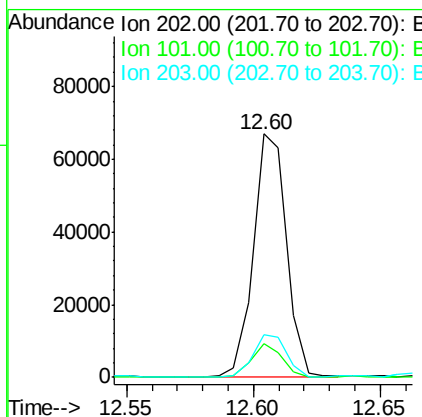
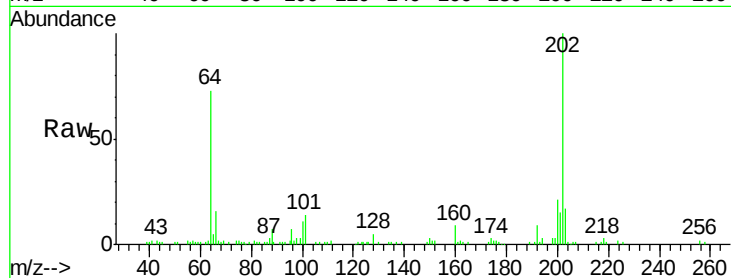




#74
 Fluoranthene
 Concen: 2.45 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

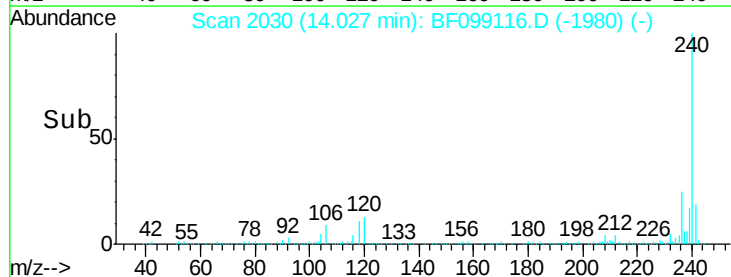
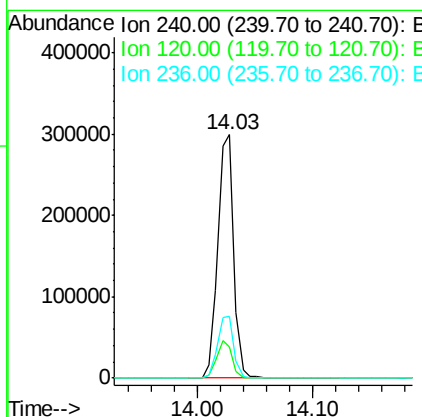
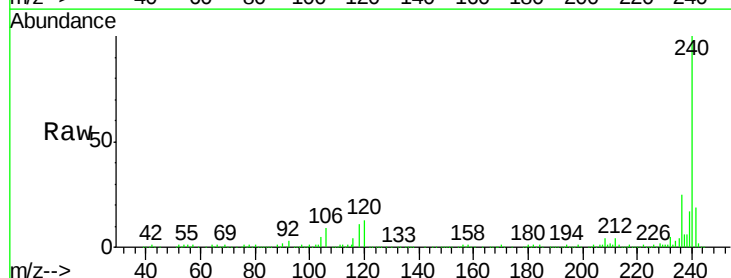
Instrument :
 BNA_F
 ClientSampleId :

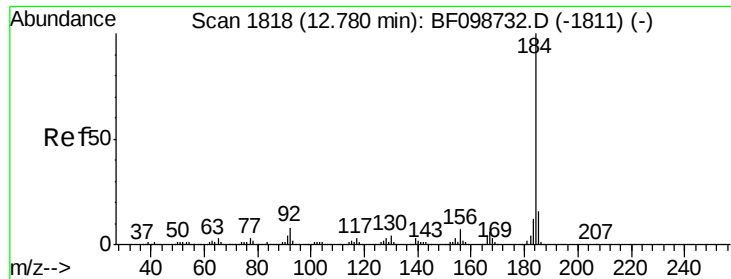
Tot Ion:202 Resp: 61096
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 34.1
 203 17.3 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF099116.D
 Acq: 5 Oct 2017 21:14

Tgt Ion:240 Resp: 286126
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.2 20.7 31.1

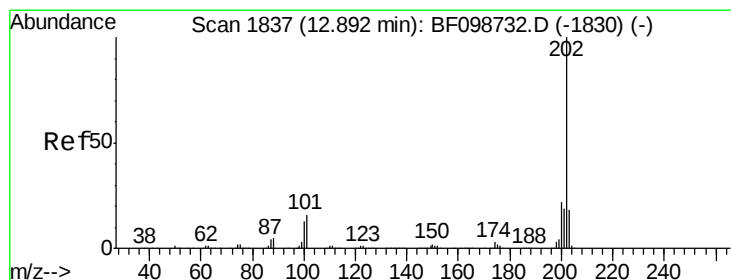
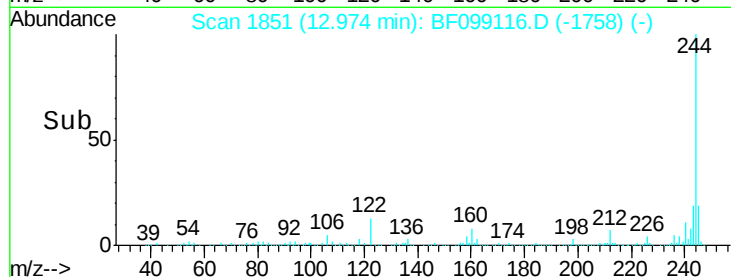
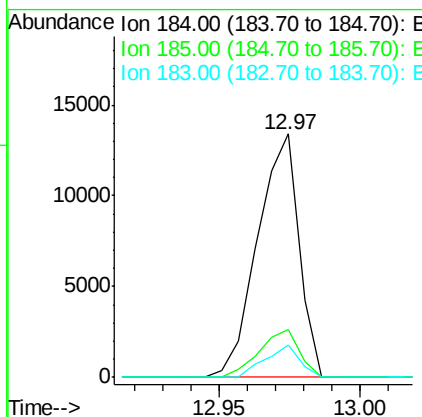
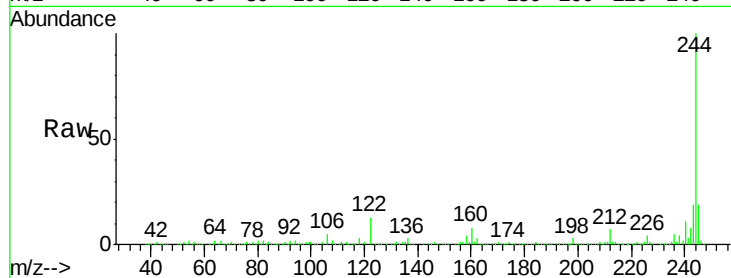




#76
Benzidine
Concen: 1.28 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.25 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

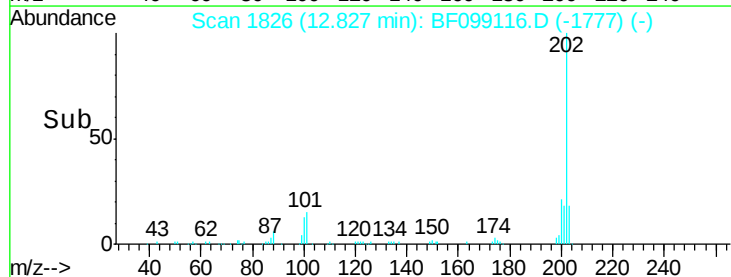
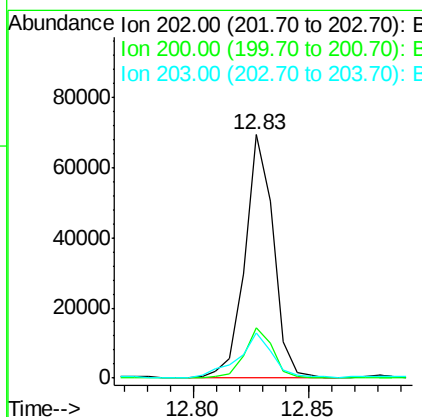
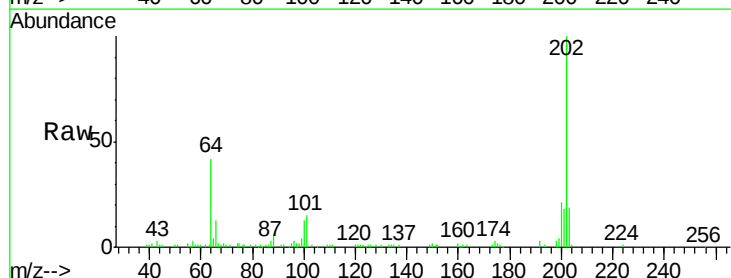
Instrument :
BNA_F
ClientSampleId :

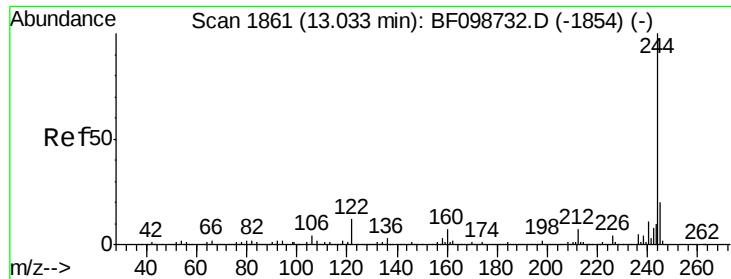
Tot Ion:184 Resp: 13554
Ion Ratio Lower Upper
184 100
185 19.6 12.6 18.8#
183 13.5 9.3 13.9



#77
Pyrene
Concen: 2.75 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:202 Resp: 60039
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 18.7 14.3 21.5





#78

Terphenyl-d14

Concen: 76.42 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

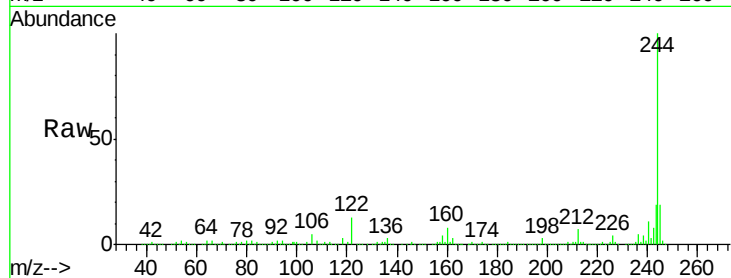
Tot Ion:244 Resp: 961517

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

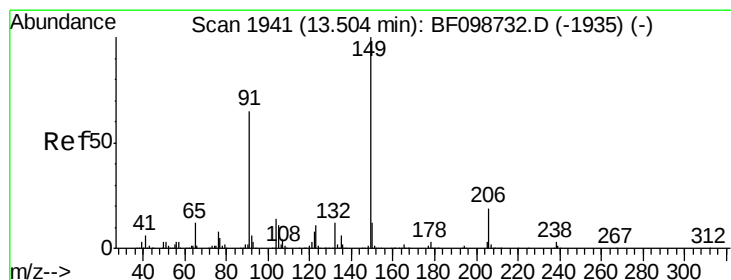
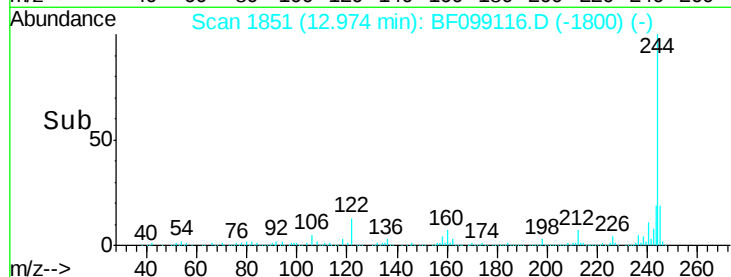
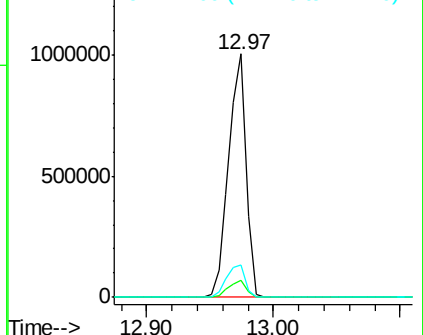
122 13.2 11.0 16.4



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: BF099116.D

Acq: 5 Oct 2017 21:14

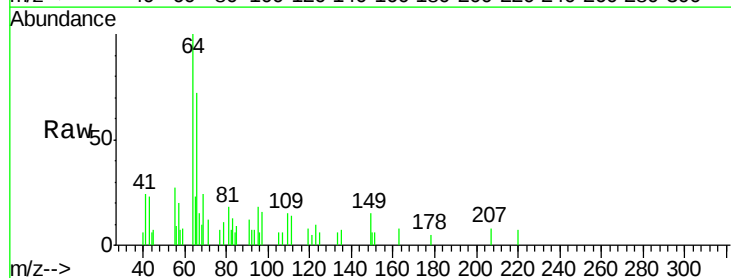
Tgt Ion:149 Resp: 647

Ion Ratio Lower Upper

149 100

91 80.1 56.8 85.2

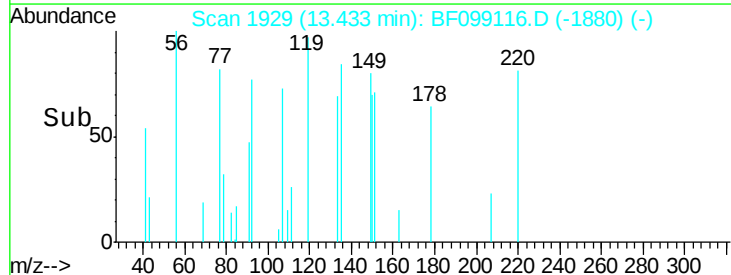
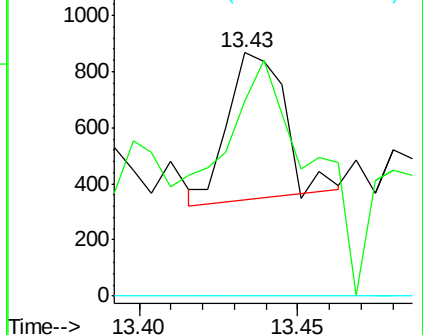
206 0.0 14.1 21.1#

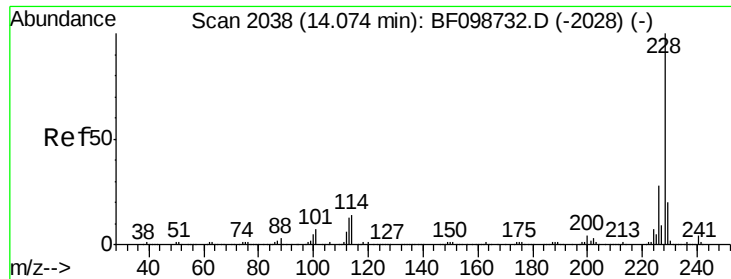


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

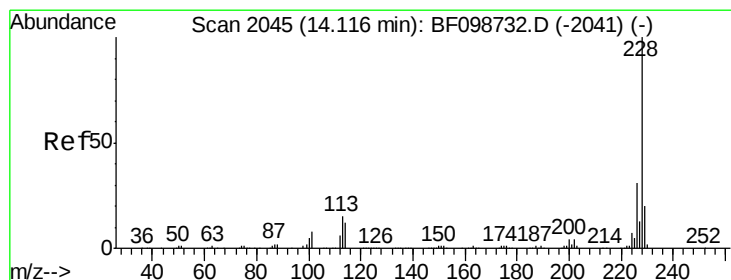
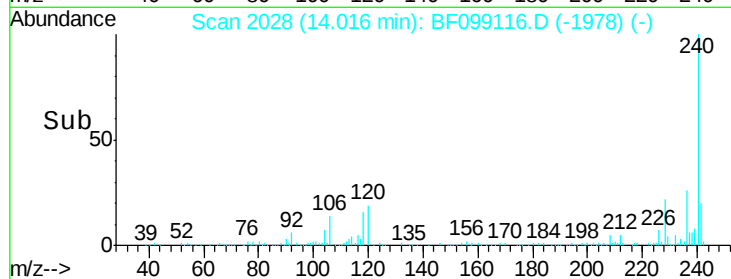
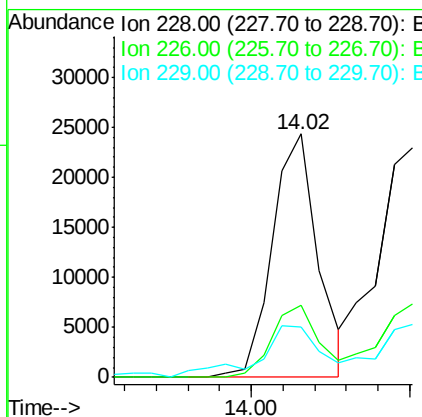
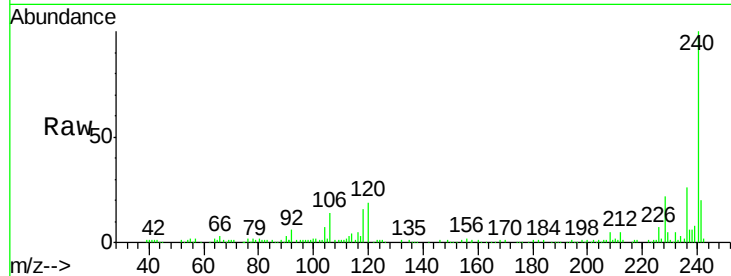




#80
Benzo(a)anthracene
Concen: 1.41 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

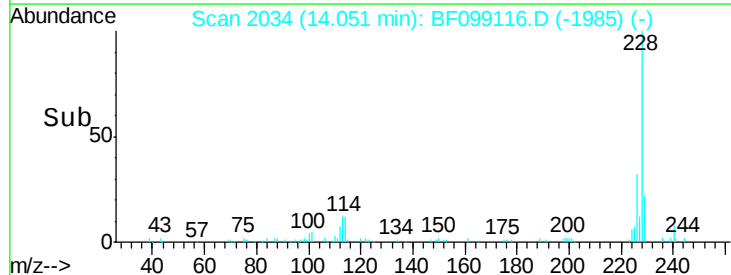
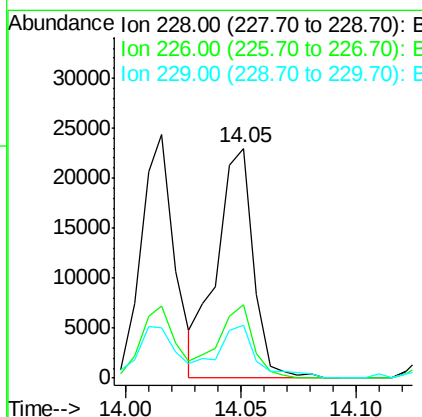
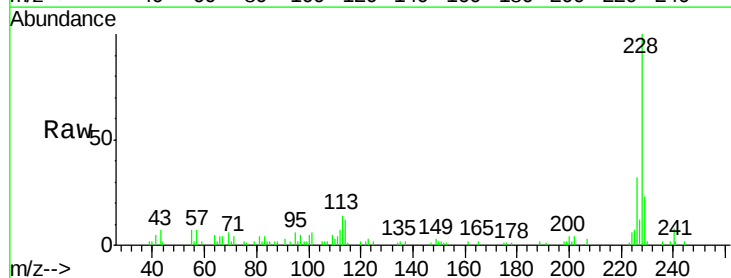
Instrument :
BNA_F
ClientSampleId :

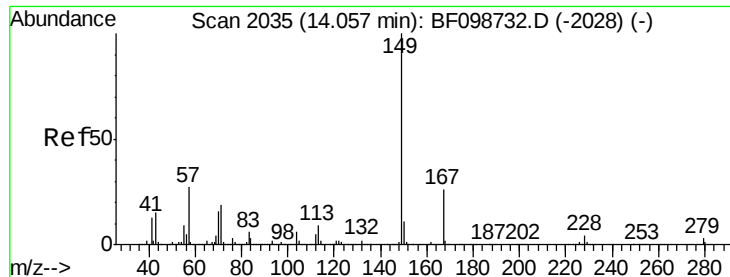
Tot Ion:228 Resp: 24349
Ion Ratio Lower Upper
228 100
226 29.6 22.6 33.8
229 20.4 15.8 23.6



#82
Chrysene
Concen: 1.54 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:228 Resp: 25352
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 23.3 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

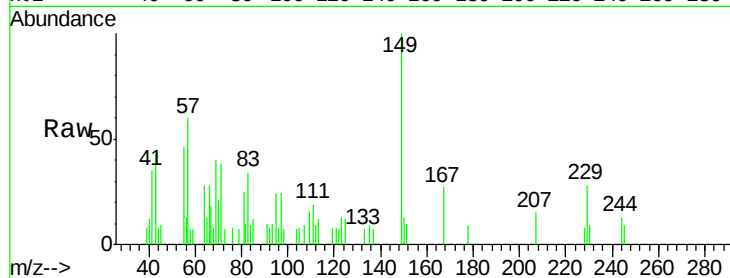
Tot Ion:149 Resp: 3685

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

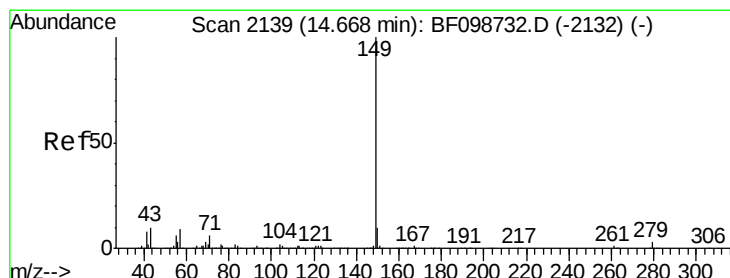
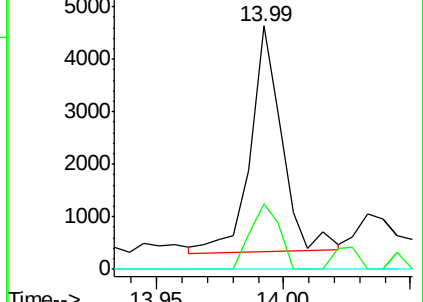
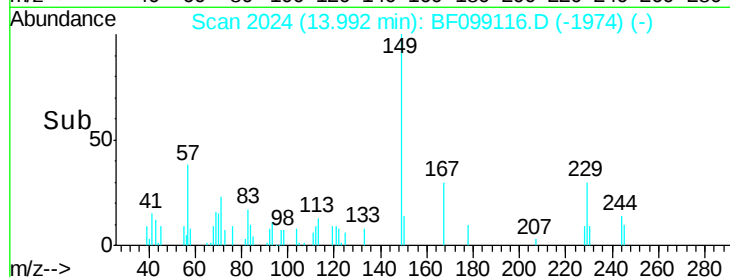
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.05 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

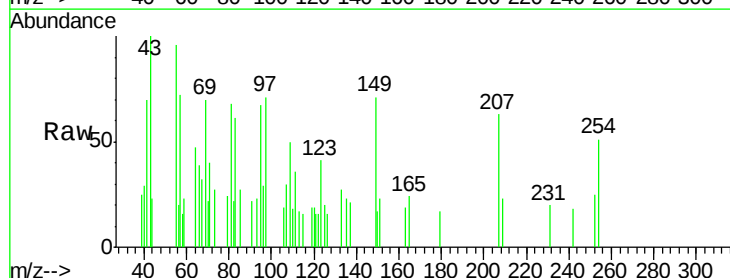
Tgt Ion:149 Resp: 1190

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

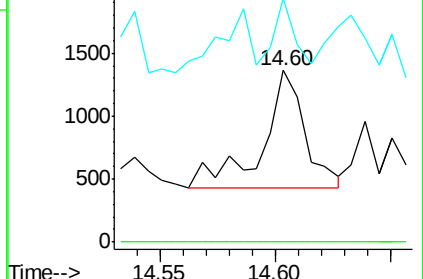
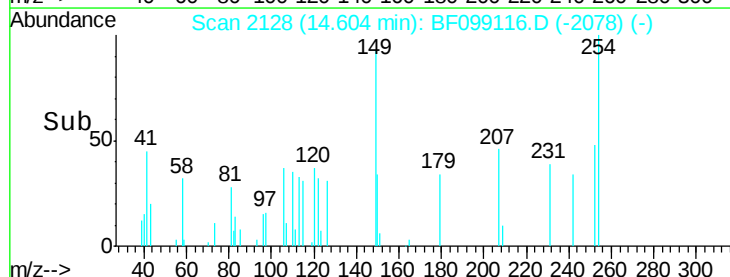
43 25.0 8.4 12.6#

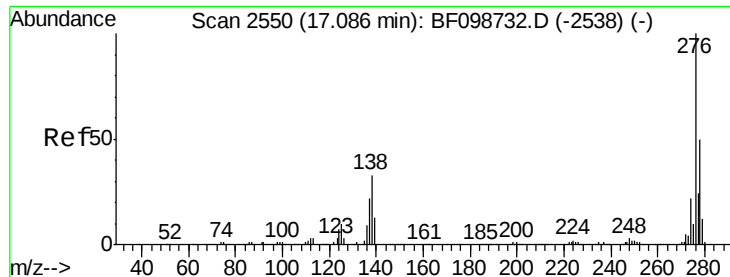


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

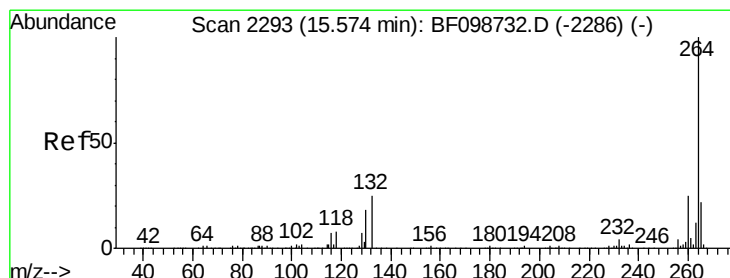
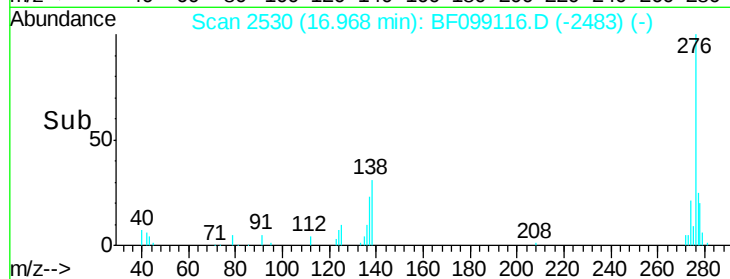
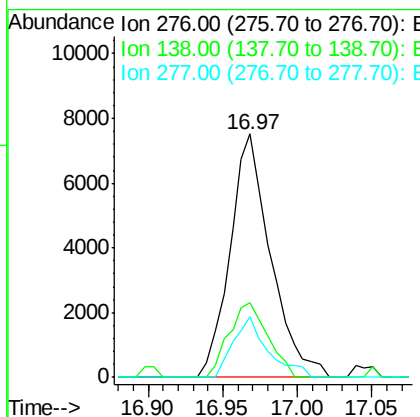
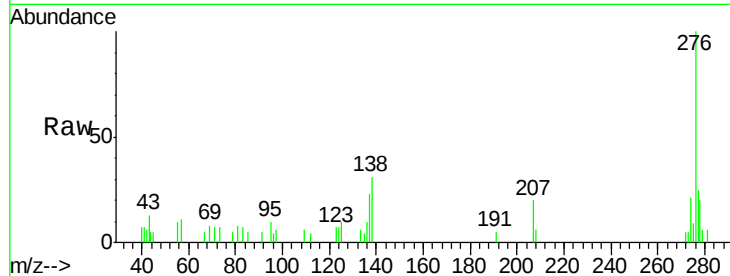




#85
Indeno(1,2,3-cd)pyrene
Concen: 1.08 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

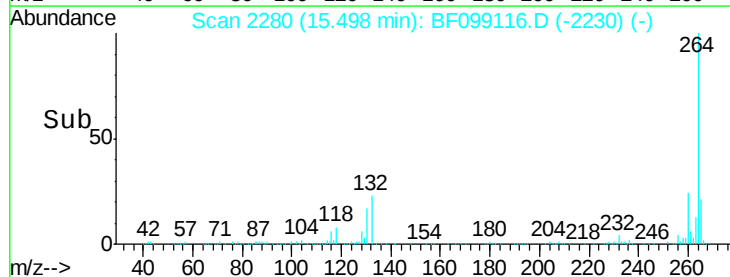
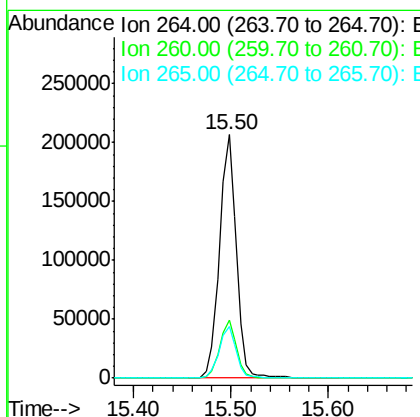
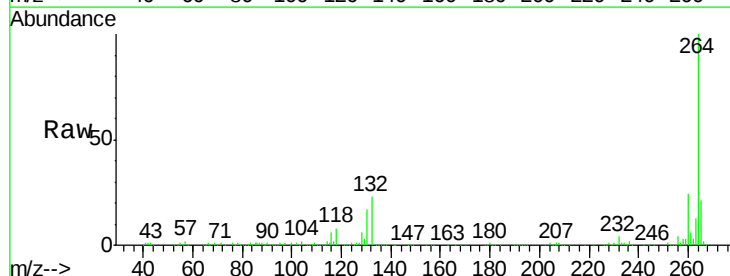
Instrument :
BNA_F
ClientSampleId :

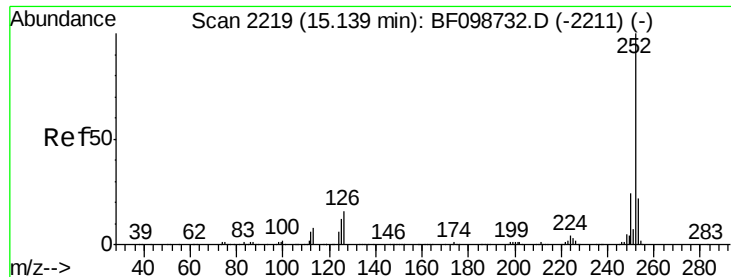
Tot Ion:276 Resp: 14243
Ion Ratio Lower Upper
276 100
138 29.3 25.0 37.6
277 21.3 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:264 Resp: 248115
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.51 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampled :

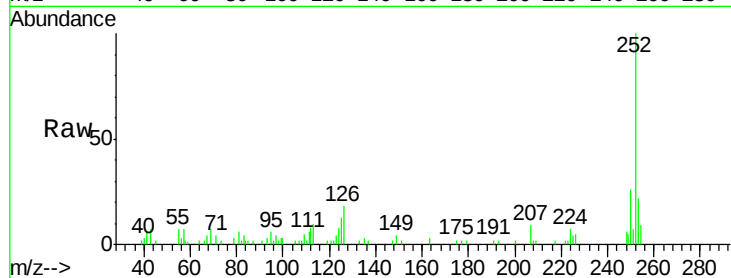
Tot Ion:252 Resp: 38354

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

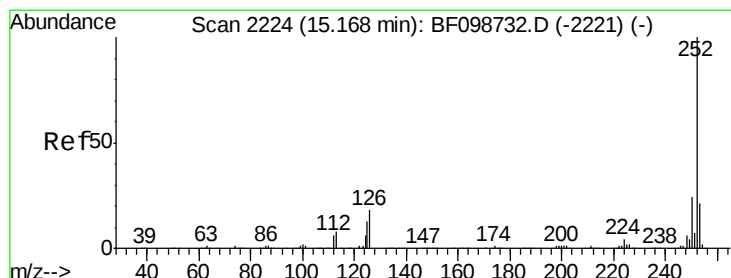
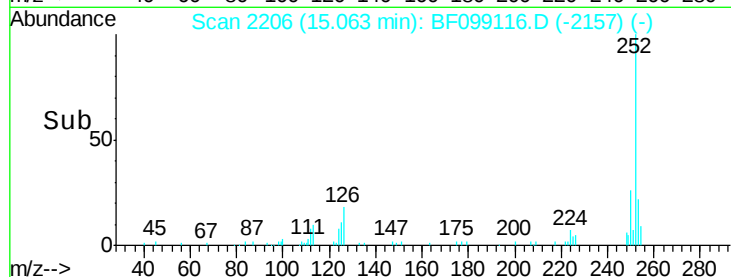
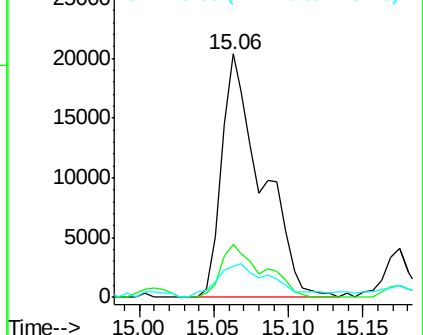
125 13.0 9.0 13.6



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: 2.55 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.05 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

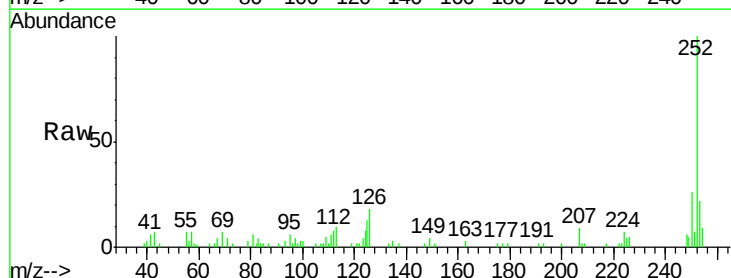
Tgt Ion:252 Resp: 38354

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

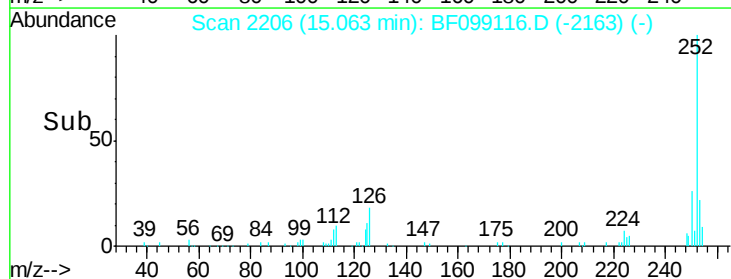
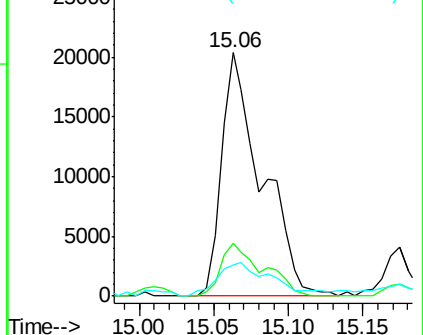
125 13.0 10.2 15.2

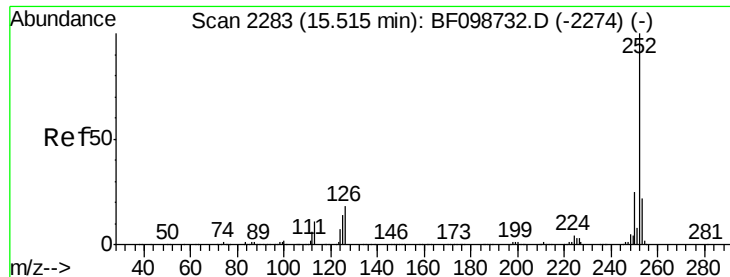


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

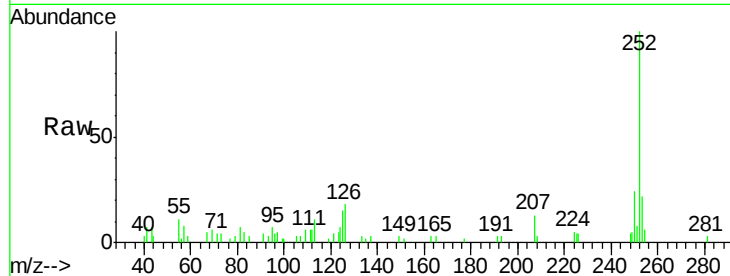




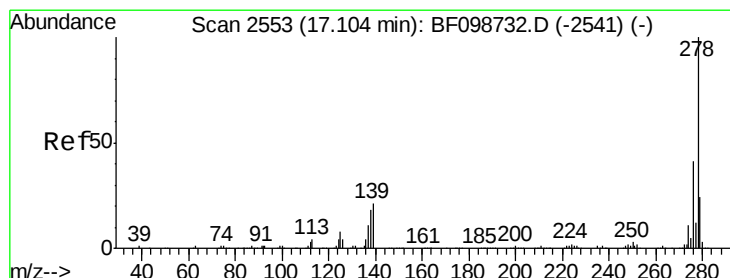
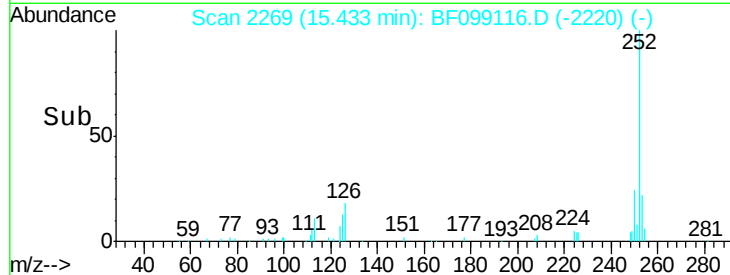
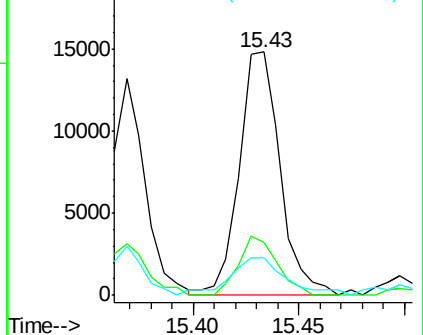
#89
Benzo(a)pyrene
Concen: 1.42 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 19933
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 15.2 9.8 14.6#

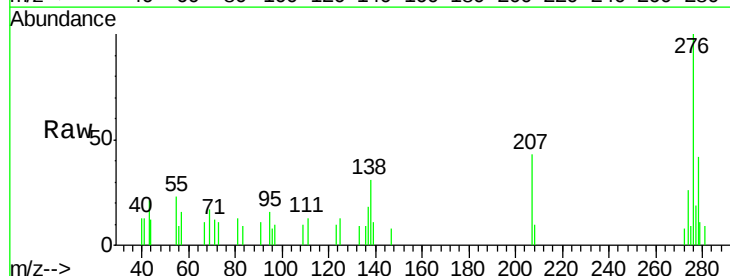


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

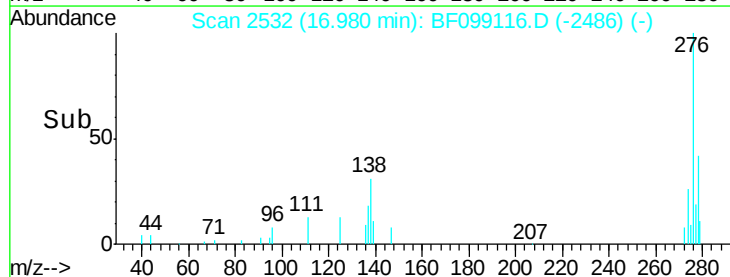
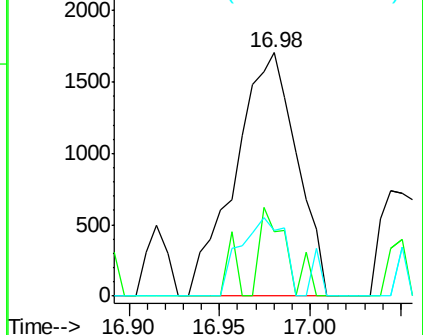


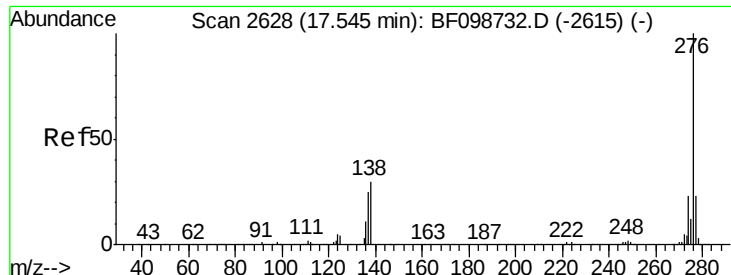
#90
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.03 min
Lab File: BF099116.D
Acq: 5 Oct 2017 21:14

Tgt Ion:278 Resp: 4030
Ion Ratio Lower Upper
278 100
139 26.5 15.9 23.9#
279 26.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.24 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.03 min

Lab File: BF099116.D

Acq: 5 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

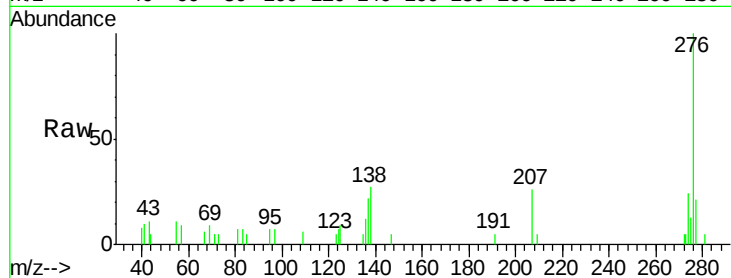
Tot Ion:276 Resp: 13694

Ion Ratio Lower Upper

276 100

277 21.5 17.9 26.9

138 26.6 21.8 32.8



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

