

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099762.D
 Acq On : 23 Oct 2017 16:45
 Operator : SJ/JU
 Sample : I5981-07RE 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 17:54:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	101266	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	425126	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	197429	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	313892	20.00	ng	0.00
75) Chrysene-d12	13.98	240	186707	20.00	ng	0.00
86) Perylene-d12	15.44	264	202233	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	51002	7.91	ng	0.00
7) Phenol-d6	6.45	99	160325	20.96	ng	0.00
23) Nitrobenzene-d5	7.37	82	94865	14.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	2235	1.24	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	217060	16.96	ng	0.00
78) Terphenyl-d14	12.91	244	138869	16.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	140	0.049	ng	# 1
9) Benzaldehyde	6.40	77	158	0.035	ng	# 1
10) Phenol	6.46	94	8081	0.962	ng	83
15) Benzyl Alcohol	6.96	79	1372	0.282	ng	# 22
18) Hexachloroethane	7.30	117	437	0.167	ng	# 2
19) n-Nitroso-di-n-propylamine	7.37	70	12248	2.733	ng	# 73
22) Acetophenone	7.19	105	254	0.026	ng	# 54
24) Nitrobenzene	7.42	77	140	0.021	ng	# 38
25) Isophorone	7.37	82	94864	7.917	ng	# 64
27) 2,4-Dimethylphenol	7.86	122	116	0.021	ng	# 4
31) Naphthalene	8.11	128	110893	5.404	ng	99
32) Benzoic acid	7.86	122	116	0.023	ng	# 76
33) 4-Chloroaniline	8.11	127	14416	1.701	ng	# 38
35) Caprolactam	8.80	113	1328	0.724	ng	# 1
37) 2-Methylnaphthalene	8.80	142	67025	4.874	ng	98
45) 1,1'-Biphenyl	9.26	154	22325	1.250	ng	99
46) 2-Chloronaphthalene	9.33	162	522	0.040	ng	# 37
47) 2-Nitroaniline	9.43	65	132	0.039	ng	# 2
48) Acenaphthylene	9.70	152	32925	1.648	ng	97
49) Dimethylphthalate	9.56	163	5749	0.368	ng	# 94
50) 2,6-Dinitrotoluene	9.84	165	27877	8.482	ng	# 26
51) Acenaphthene	9.87	154	54392	4.456	ng	97
52) 3-Nitroaniline	10.05	138	823	0.213	ng	# 2
54) Dibenzofuran	10.05	168	52113	3.024	ng	95
55) 4-Nitrophenol	9.88	139	694	0.343	ng	85
56) 2,4-Dinitrotoluene	9.99	165	1016	0.257	ng	# 21
57) Fluorene	10.39	166	92074	6.454	ng	98
59) Diethylphthalate	10.25	149	4218	0.276	ng	95
61) 4-Nitroaniline	10.39	138	959	0.260	ng	# 19
62) Azobenzene	10.55	77	4144	0.324	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	1611	0.139	ng	# 28
66) 4-Bromophenyl-phenylether	10.64	248	118	0.036	ng	# 1
70) Phenanthrene	11.36	178	440945	24.892	ng	98
71) Anthracene	11.41	178	124802	6.941	ng	98

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 Misc :
 ALS Vial : 3 Sample Multiplier: 1

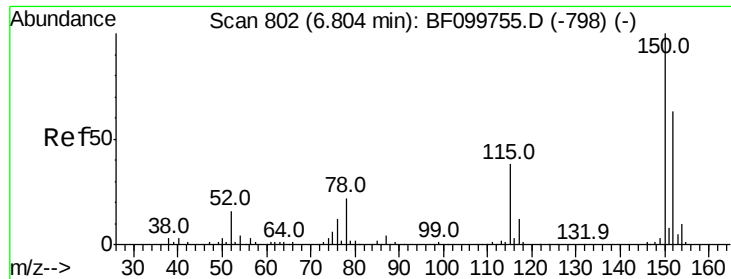
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 17:54:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

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

72) Carbazole	11.57	167	23942	1.416	nq	99
73) Di-n-butylphthalate	11.88	149	3050	0.141	nq #	90
74) Fluoranthene	12.55	202	372265	20.222	nq	96
76) Benzidine	12.91	184	1817	0.222	nq #	79
77) Pyrene	12.78	202	359527	25.324	nq	98
79) Butylbenzylphthalate	13.39	149	836	0.120	nq #	8
80) Benzo(a)anthracene	13.97	228	164229	13.875	nq	98
81) 3,3'-Dichlorobenzidine	14.00	252	2108	0.491	nq #	1
82) Chrysene	14.00	228	125777	11.303	nq	98
83) Bis(2-ethylhexyl)phthalate	13.93	149	8542	0.870	nq #	92
84) Di-n-octyl phthalate	14.56	149	408	0.024	nq #	75
85) Indeno(1,2,3-cd)pyrene	16.92	276	86724	8.490	nq	96
87) Benzo(b)fluoranthene	15.02	252	244466	19.144	nq #	96
88) Benzo(k)fluoranthene	15.02	252	244466	20.302	nq	99
89) Benzo(a)pyrene	15.39	252	145053	12.645	nq	99
90) Dibenzo(a,h)anthracene	16.92	278	22396	2.197	nq #	74
91) Benzo(g,h,i)perylene	17.36	276	85411	8.565	nq	96

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

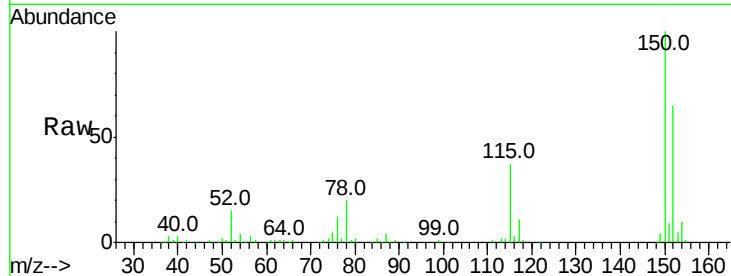


#1

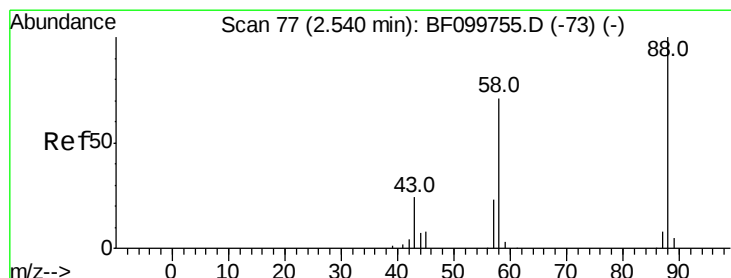
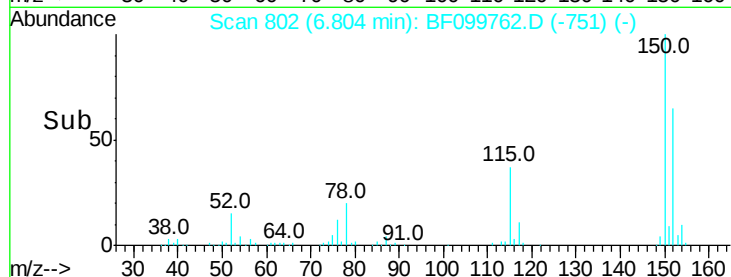
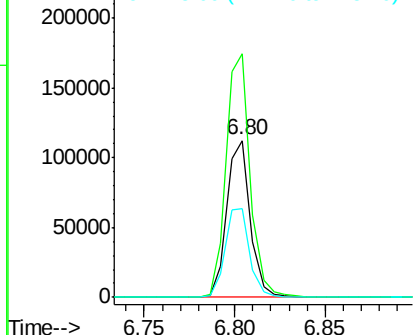
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101266
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 56.6 50.1 75.1



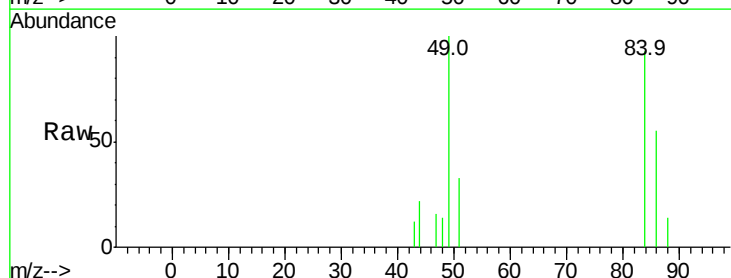
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



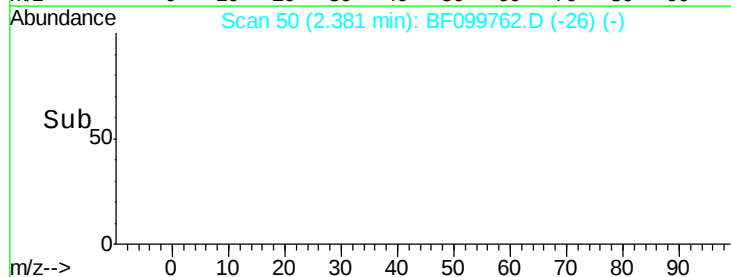
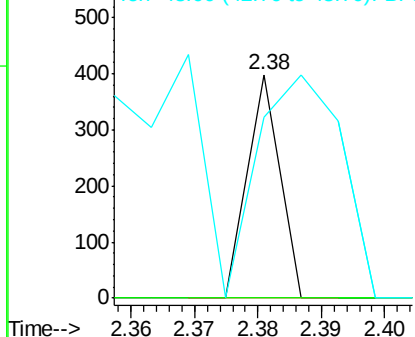
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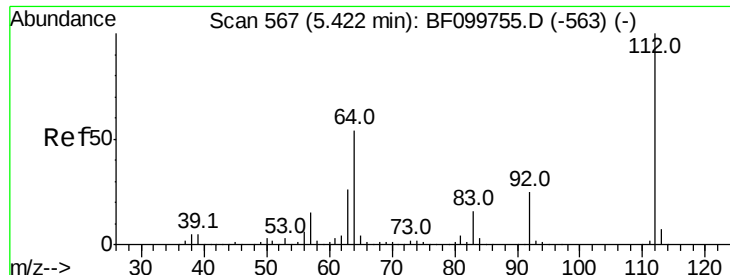
1,4-Dioxane
Concen: 0.049 ng
RT: 2.38 min Scan# 50
Delta R.T. -0.16 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 260.7 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 7.907 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampled :

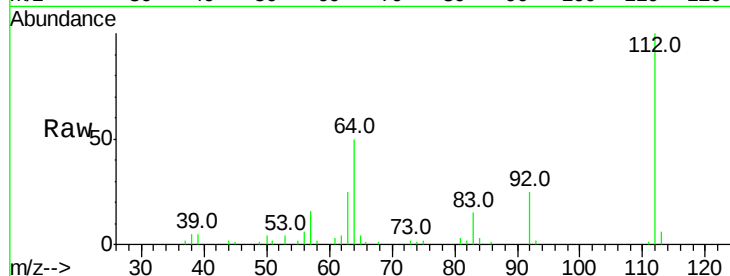
Tot Ion:112 Resp: 51002

Ion Ratio Lower Upper

112 100

64 50.1 47.9 71.9

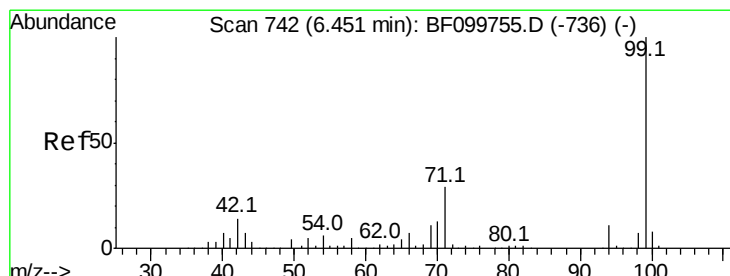
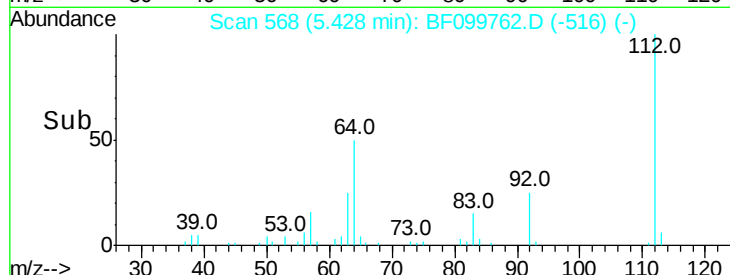
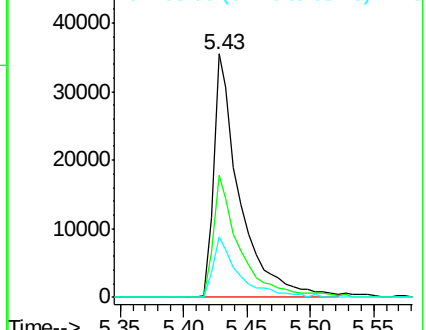
63 25.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 20.963 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

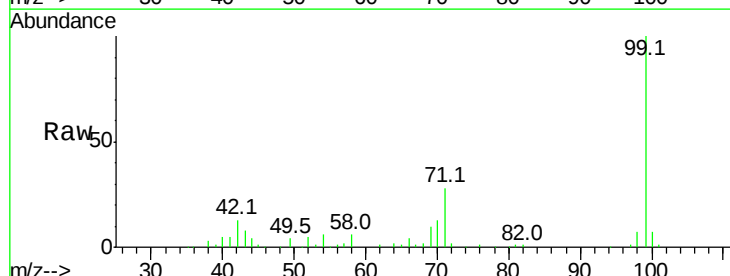
Tgt Ion: 99 Resp: 160325

Ion Ratio Lower Upper

99 100

42 13.3 14.5 21.7#

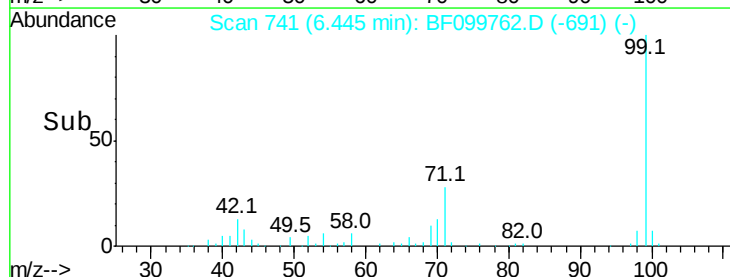
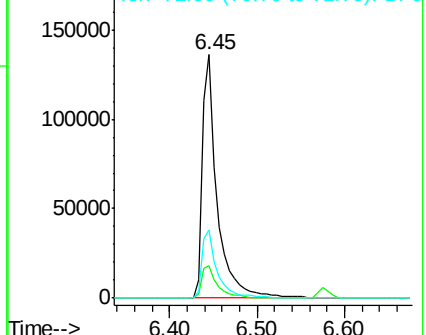
71 28.1 25.4 38.0

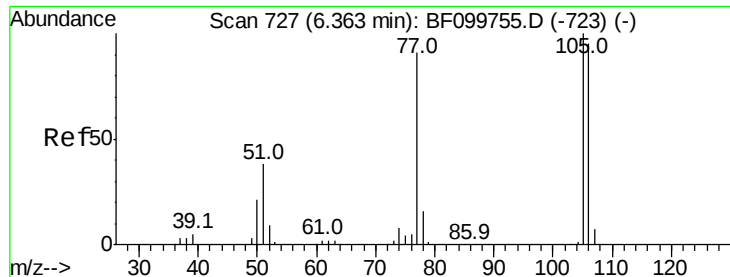


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.035 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.04 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampled :

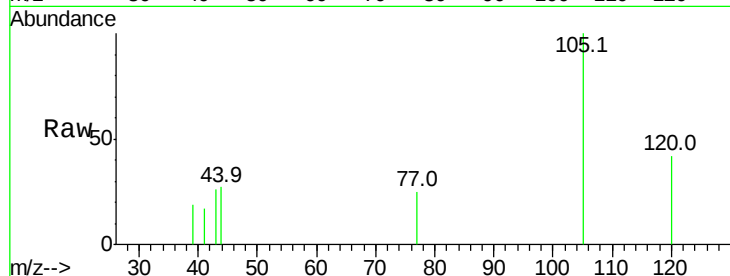
Tot Ion: 77 Resp: 158

Ion Ratio Lower Upper

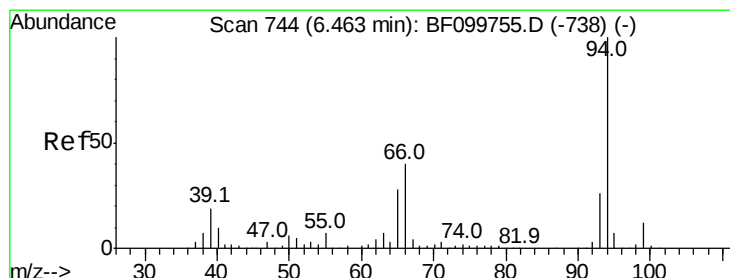
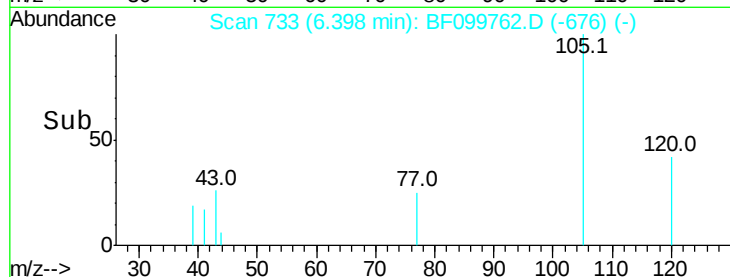
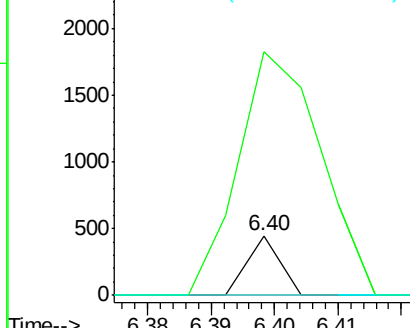
77 100

105 407.4 81.1 121.1#

106 0.0 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: 0.962 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

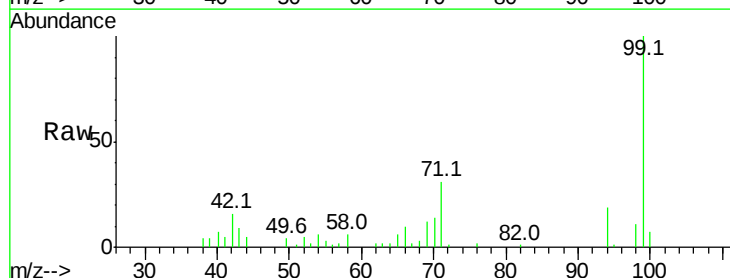
Tgt Ion: 94 Resp: 8081

Ion Ratio Lower Upper

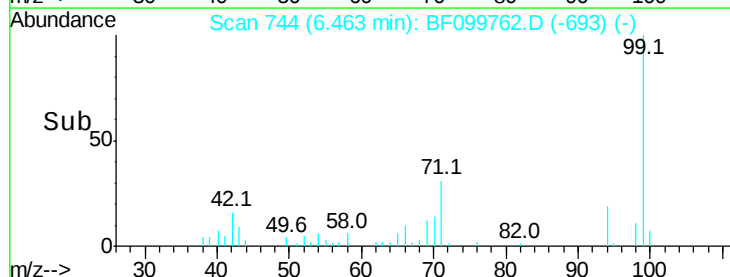
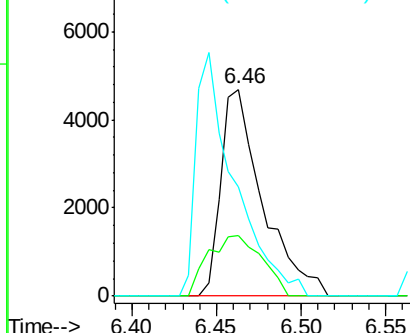
94 100

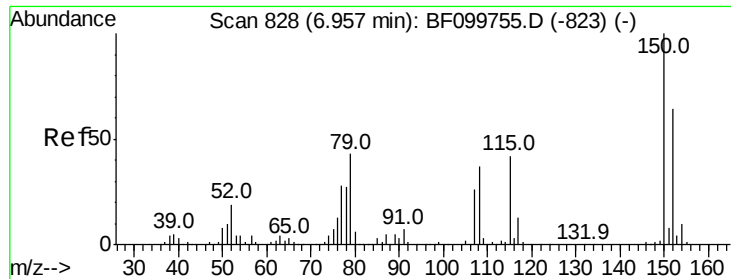
65 29.4 7.9 47.9

66 52.7 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

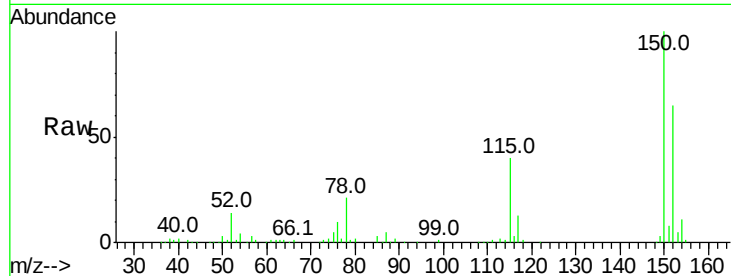




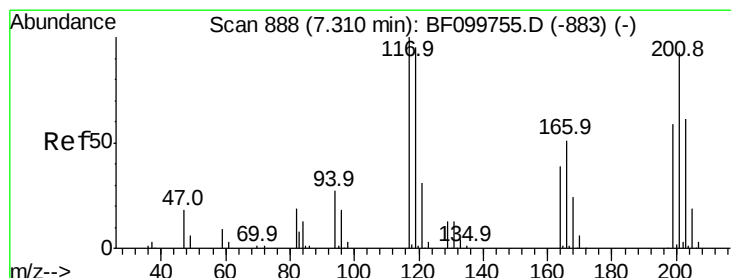
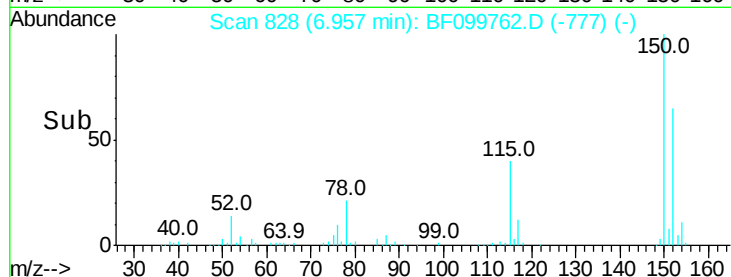
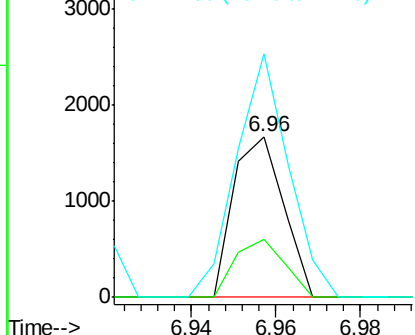
#15
Benzyl Alcohol
Concen: 0.282 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 1372
Ion Ratio Lower Upper
79 100
108 36.4 65.1 97.7#
77 151.2 50.6 75.8#

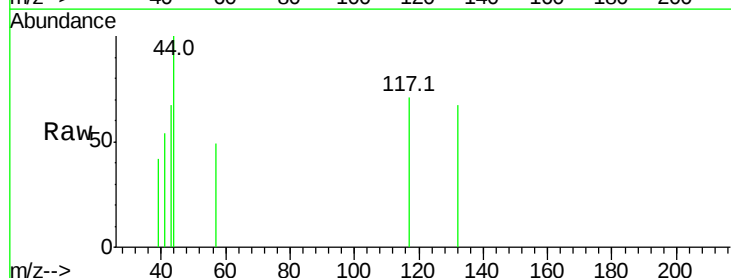


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

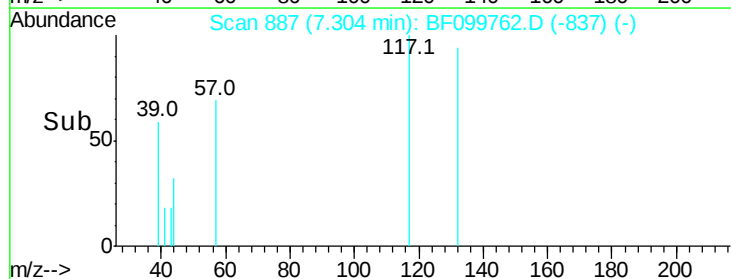
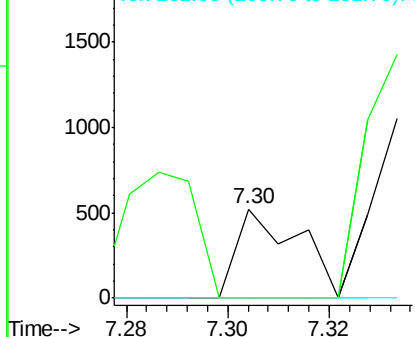


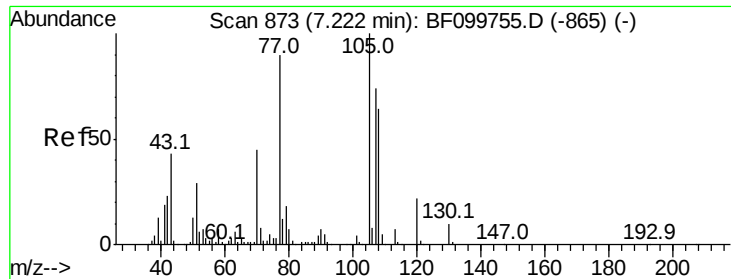
#18
Hexachloroethane
Concen: 0.167 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion: 117 Resp: 437
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

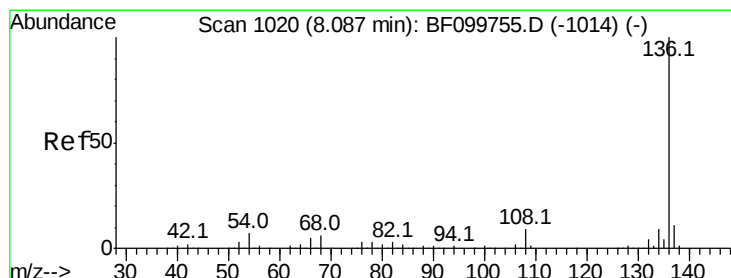
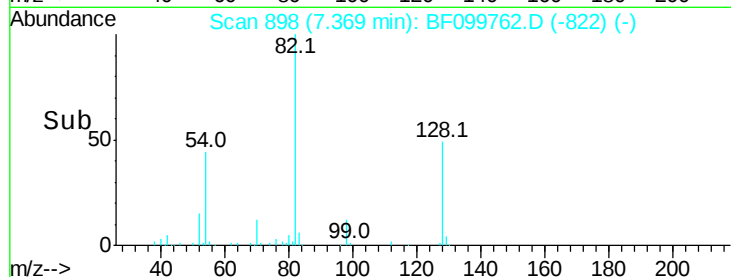
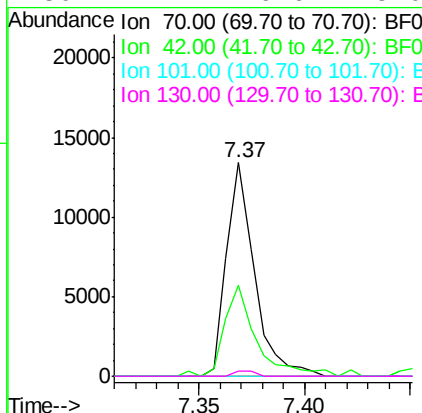
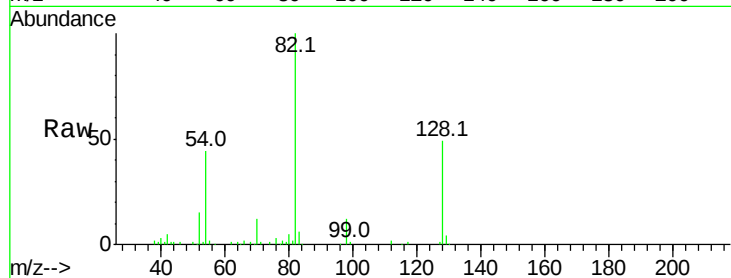




#19
n-Nitroso-di-n-propylamine
Concen: 2.733 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

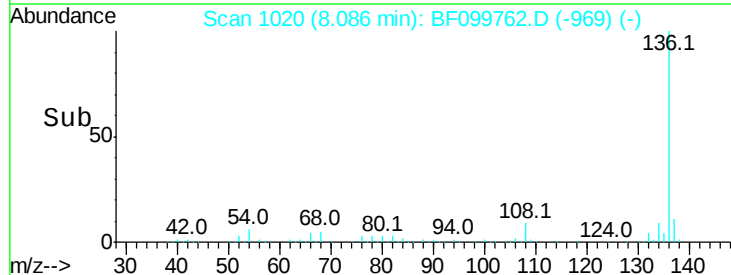
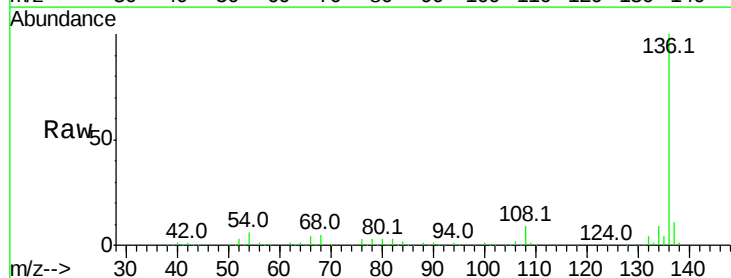
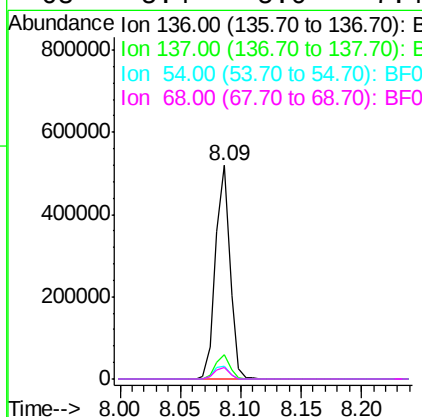
Instrument :
BNA_F
ClientSampleId :

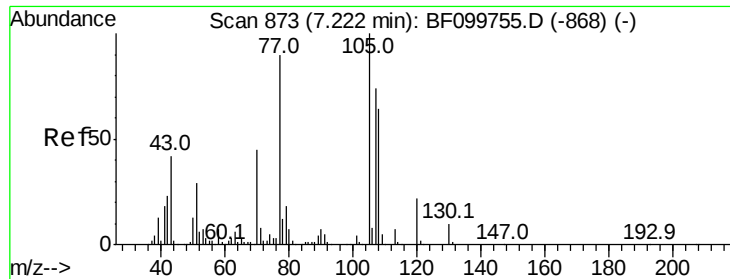
Tot Ion: 70 Resp: 12248
Ion Ratio Lower Upper
70 100
42 42.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion: 136 Resp: 425126
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.3 6.6 9.8#
68 5.4 5.0 7.4





#22

Acetophenone

Concen: 0.026 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.04 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 254

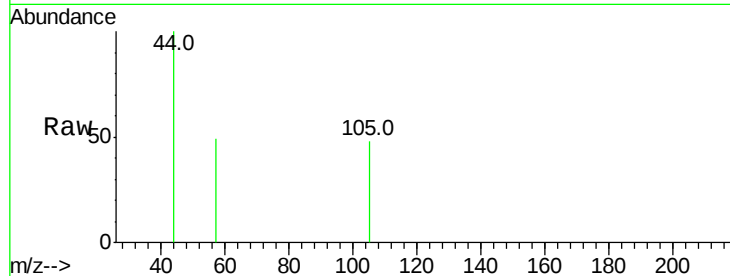
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 0.0 22.3 33.5#

120 0.0 16.9 25.3#

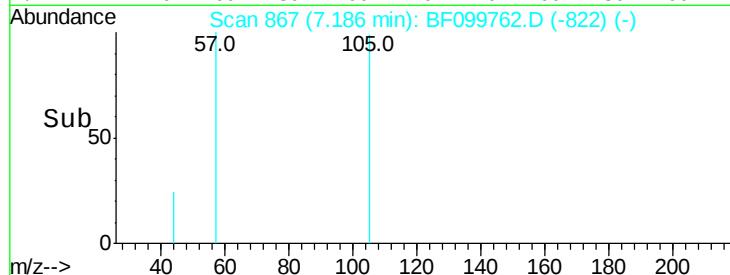
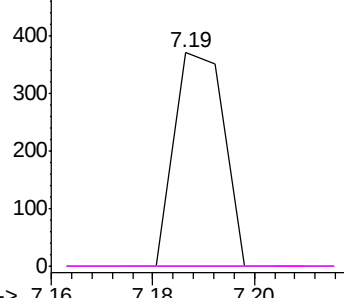


Abundance Ion 105.00 (104.70 to 105.70): E

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: 14.366 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

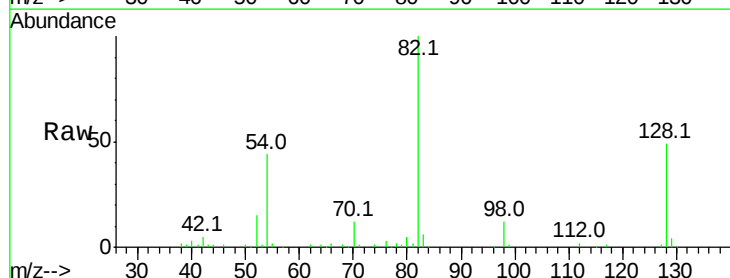
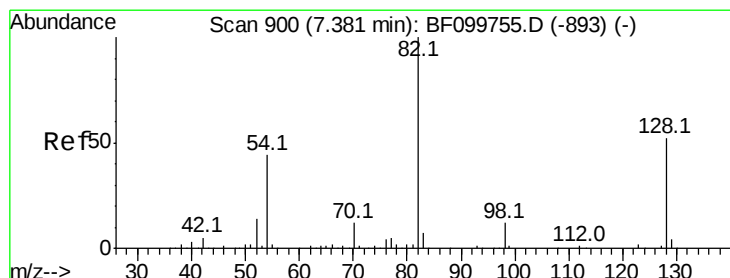
Tgt Ion: 82 Resp: 94865

Ion Ratio Lower Upper

82 100

128 48.9 36.1 54.1

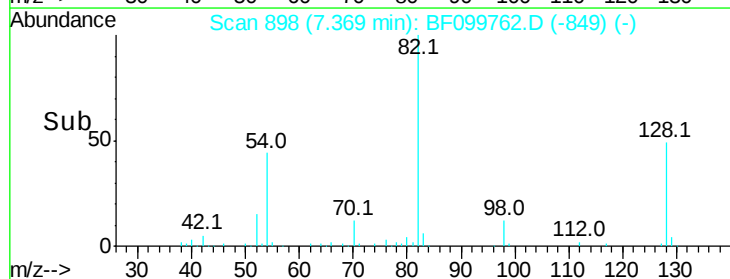
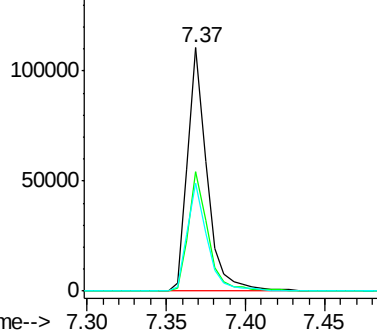
54 44.1 41.4 62.2

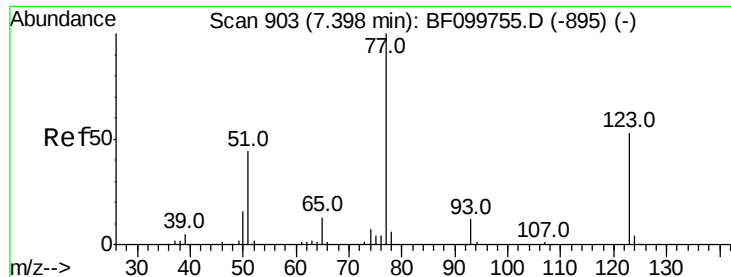


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

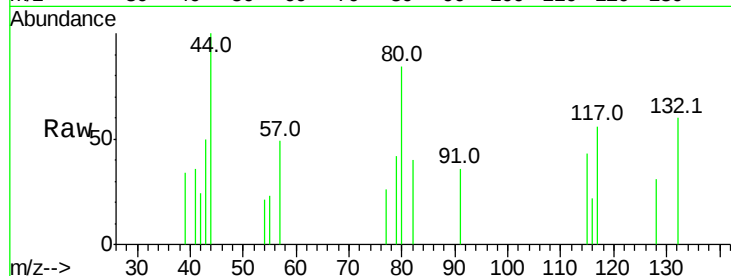




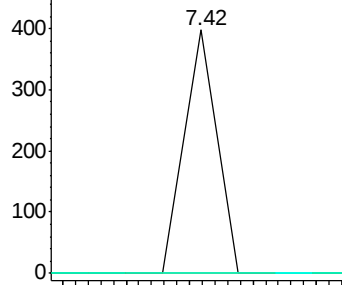
#24
Nitrobenzene
Concen: 0.021 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.02 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampled :

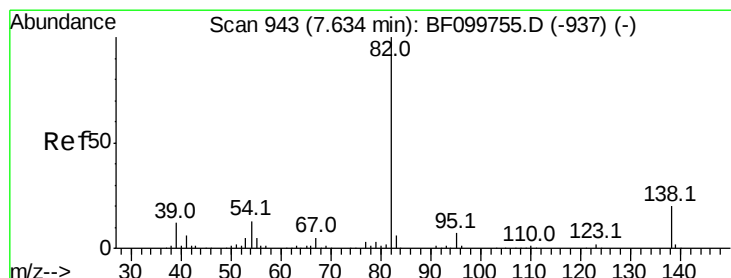
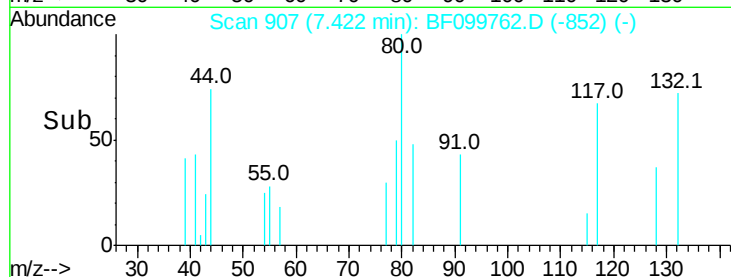
Tot Ion: 77 Resp: 140
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 0.0 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): BF0
Ion 65.00 (64.70 to 65.70): BF0

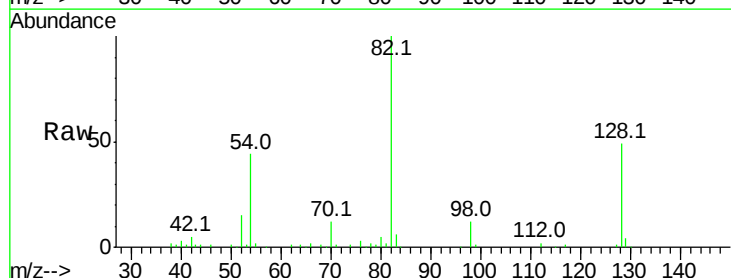


Time-->

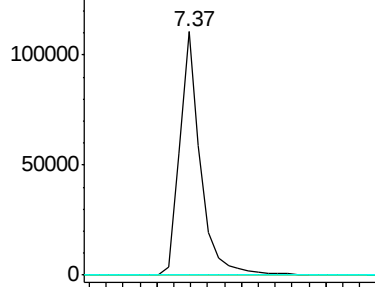


#25
Isophorone
Concen: 7.917 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

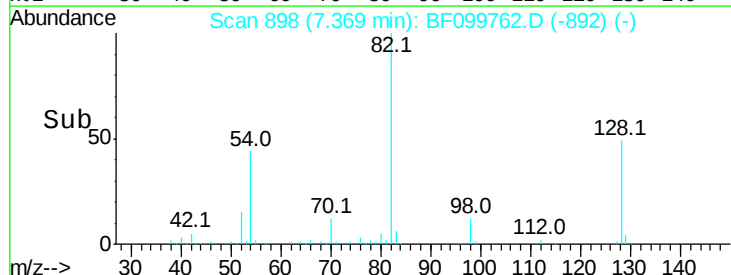
Tgt Ion: 82 Resp: 94864
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

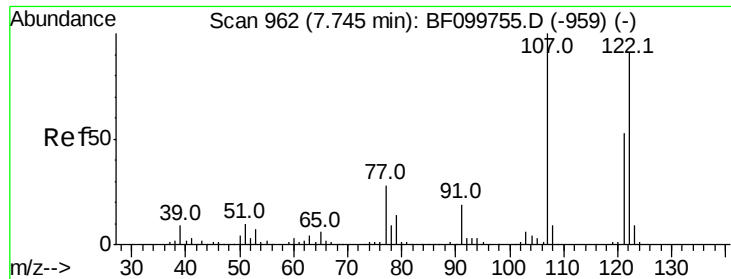


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



Time-->





#27

2,4-Dimethylphenol

Concen: 0.021 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.12 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampleId :

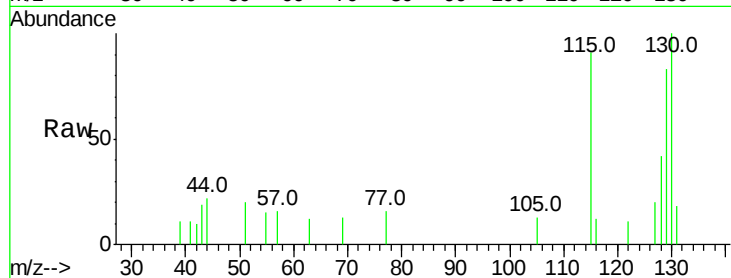
Tot Ion:122 Resp: 116

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

121 0.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

7.86

400

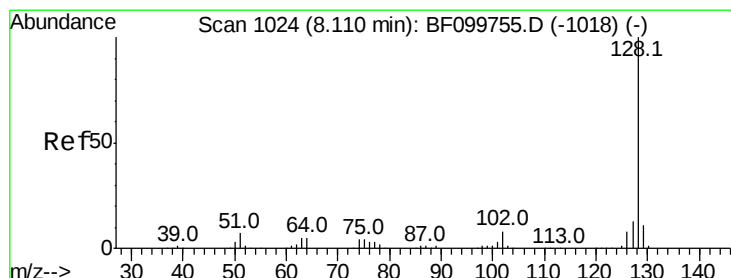
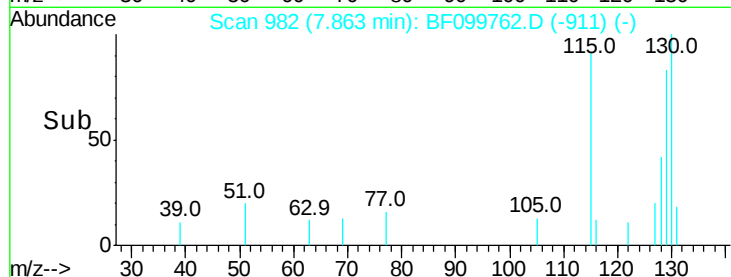
300

200

100

0

Time--> 7.84 7.85 7.86 7.87 7.88



#31

Naphthalene

Concen: 5.404 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

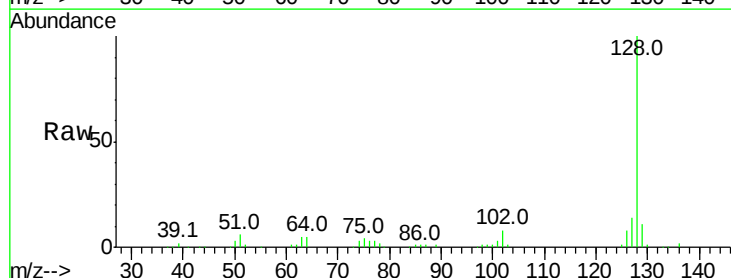
Tgt Ion:128 Resp: 110893

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 13.7 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

8.11

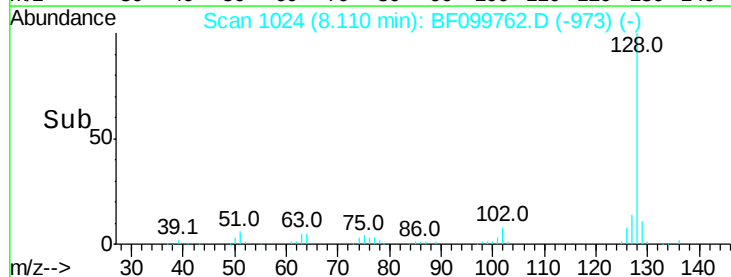
150000

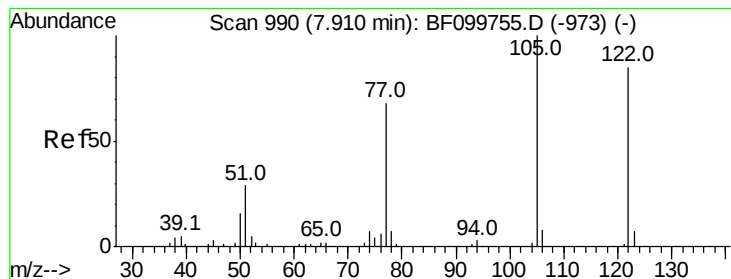
100000

50000

0

Time--> 8.05 8.10 8.15 8.20





#32

Benzoic acid

Concen: 0.023 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.05 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampleId :

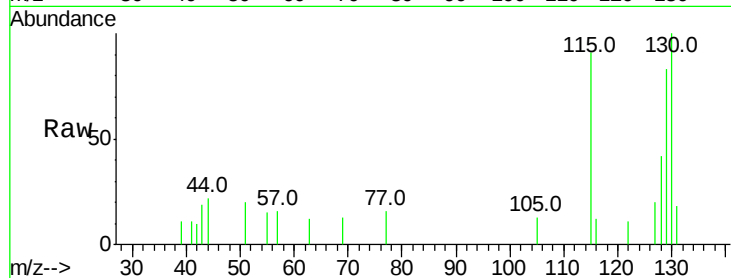
Tot Ion:122 Resp: 116

Ion Ratio Lower Upper

122 100

105 116.2 101.1 141.1

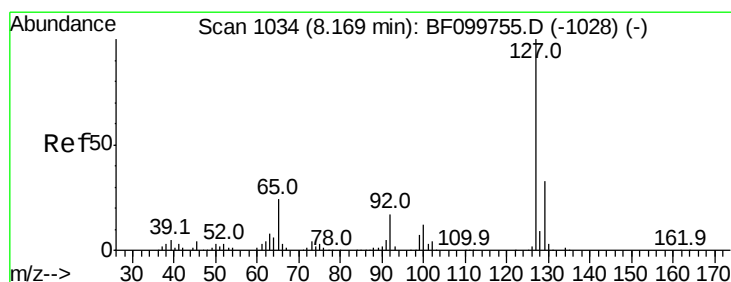
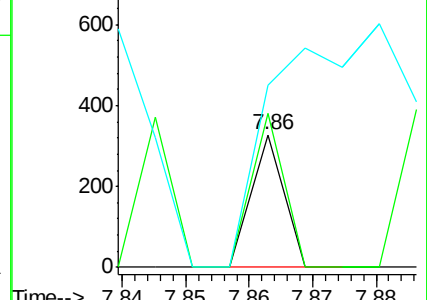
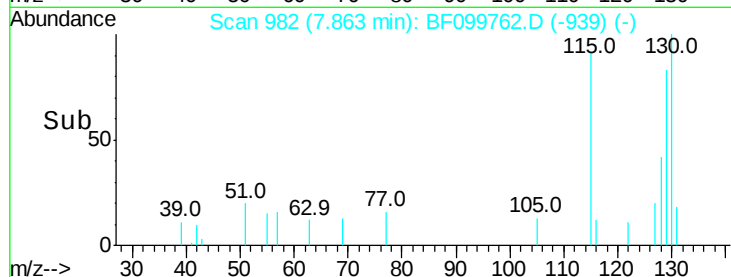
77 137.2 70.7 110.7#



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: 1.701 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.06 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Tgt Ion:127 Resp: 14416

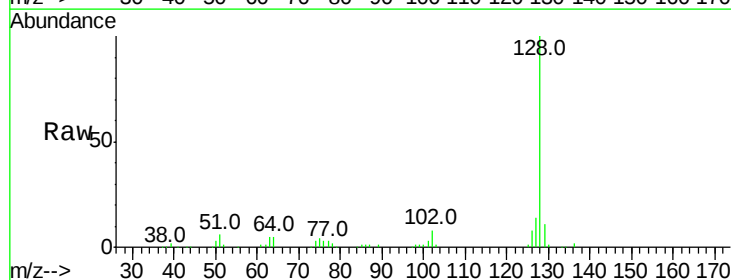
Ion Ratio Lower Upper

127 100

129 77.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

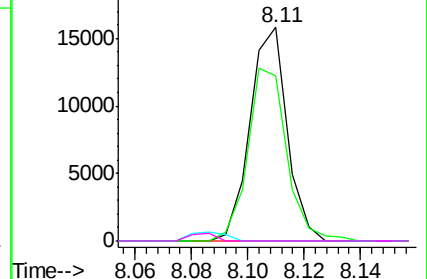
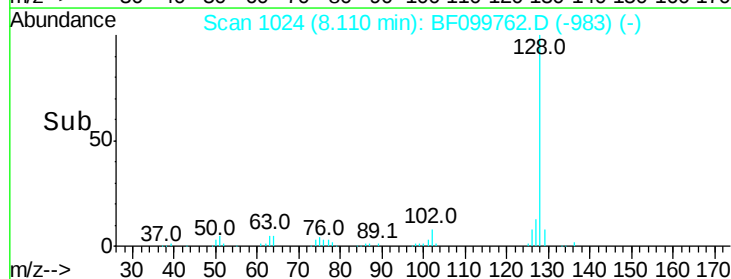


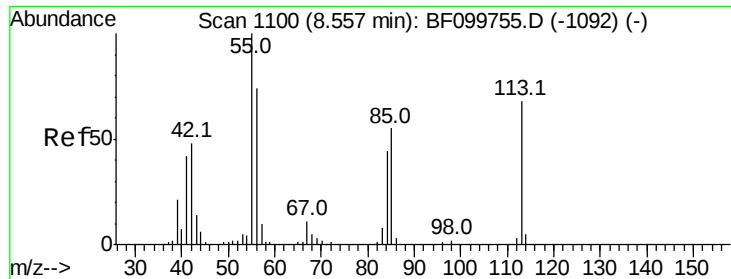
Abundance Ion 127.00 (126.70 to 127.70): E

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

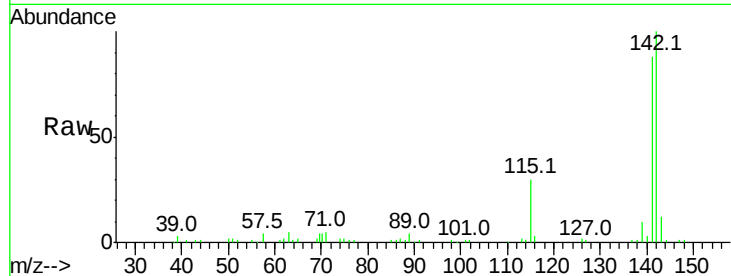




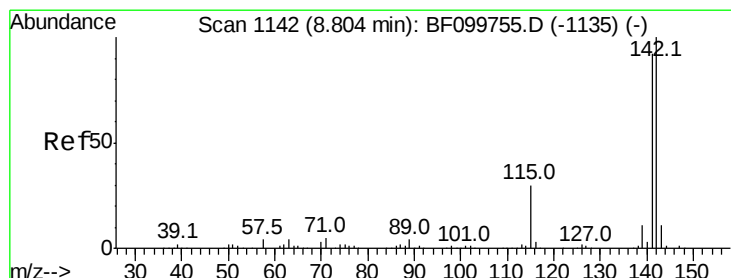
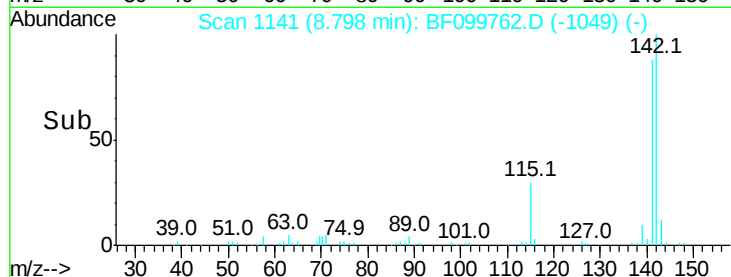
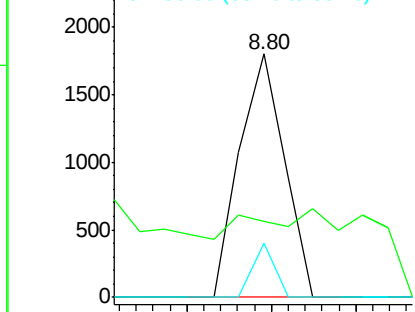
#35
Caprolactam
Concen: 0.724 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.24 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 1328
Ion Ratio Lower Upper
113 100
55 31.1 163.3 203.3#
56 22.2 115.7 155.7#

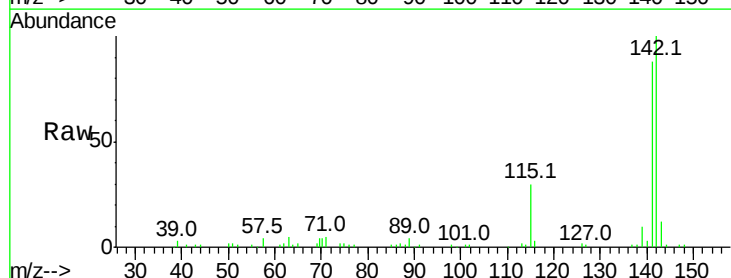


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

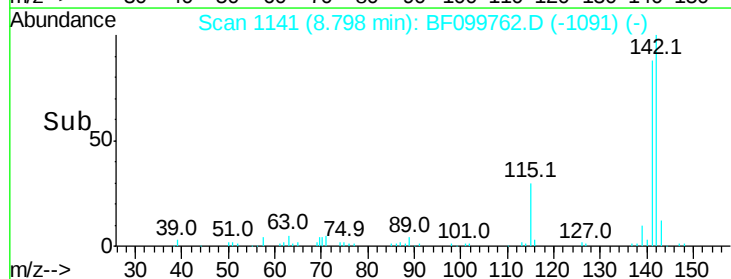
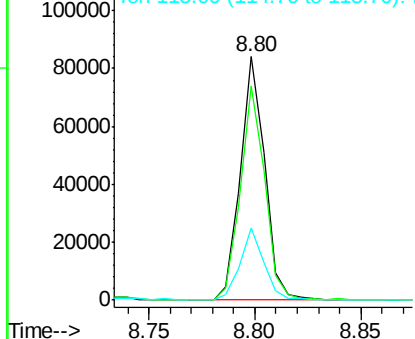


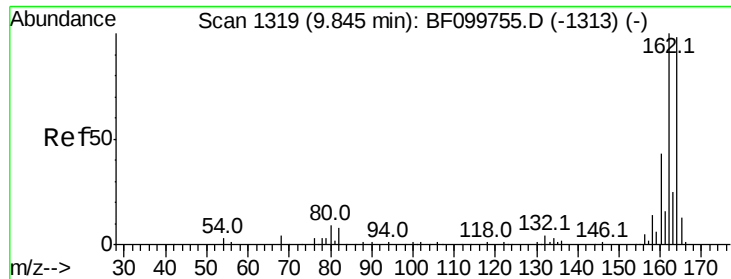
#37
2-Methylnaphthalene
Concen: 4.874 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:142 Resp: 67025
Ion Ratio Lower Upper
142 100
141 87.9 70.8 106.2
115 29.5 26.1 39.1



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

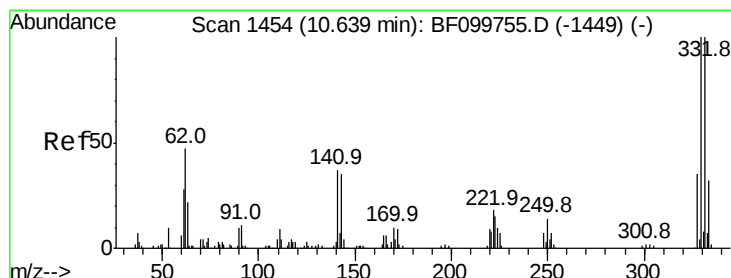
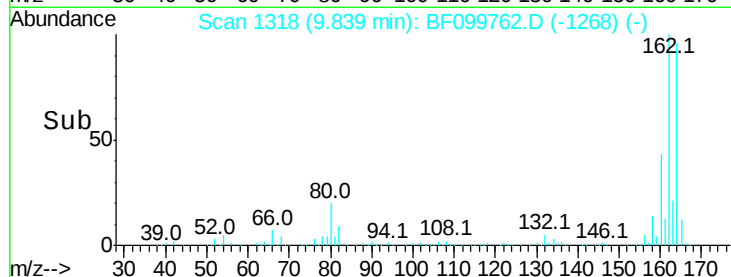
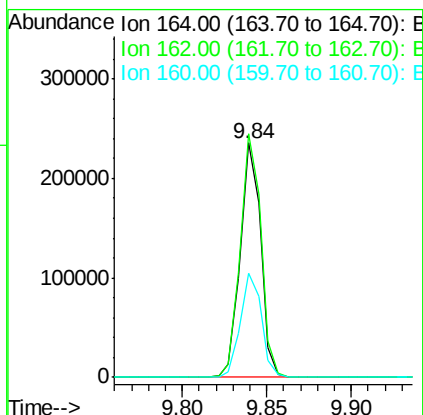
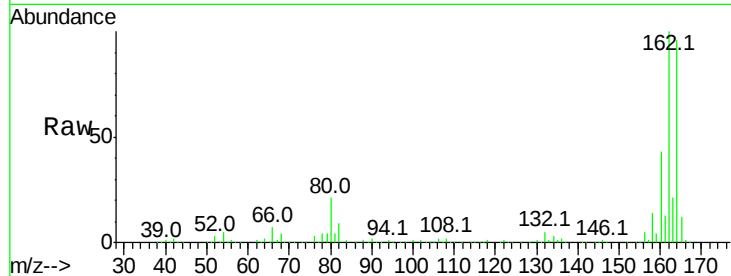




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

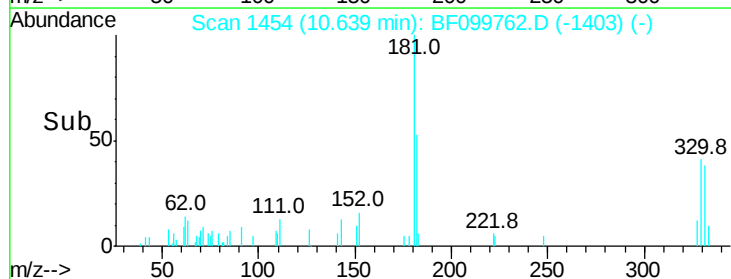
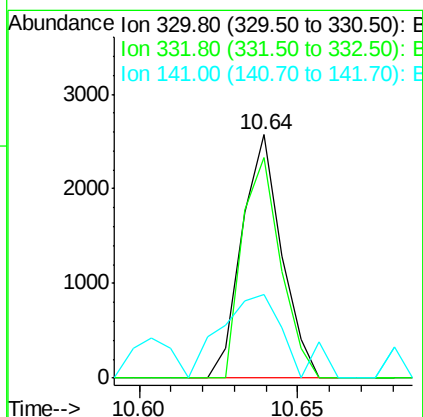
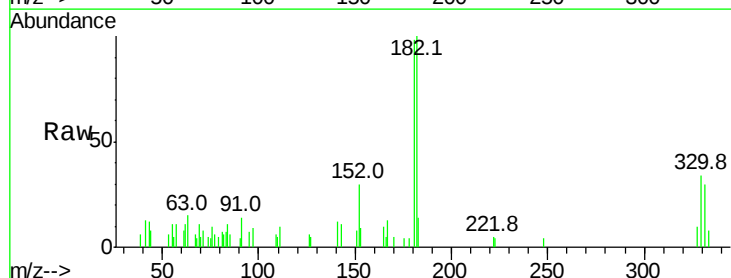
Instrument :
 BNA_F
 ClientSampleId :

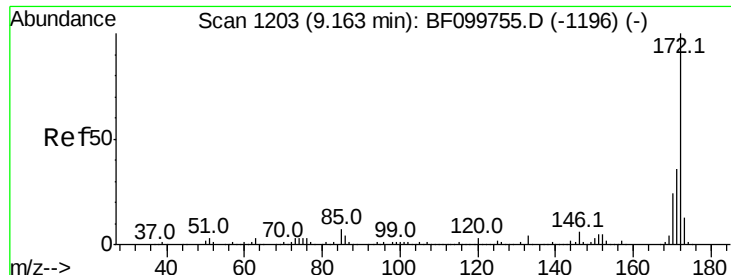
Tot Ion:164 Resp: 197429
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 44.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 1.242 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Tgt Ion:330 Resp: 2235
 Ion Ratio Lower Upper
 330 100
 332 87.7 77.0 115.6
 141 57.1 29.9 44.9#

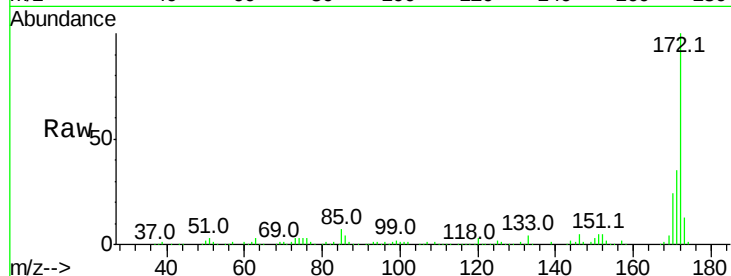




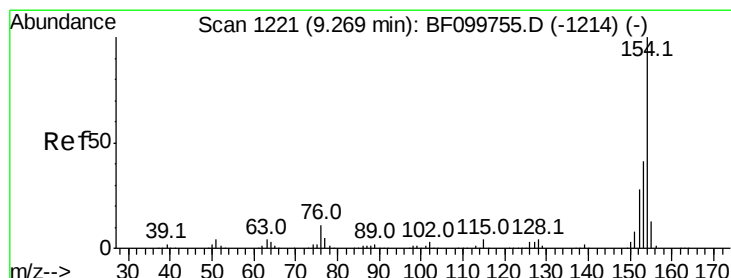
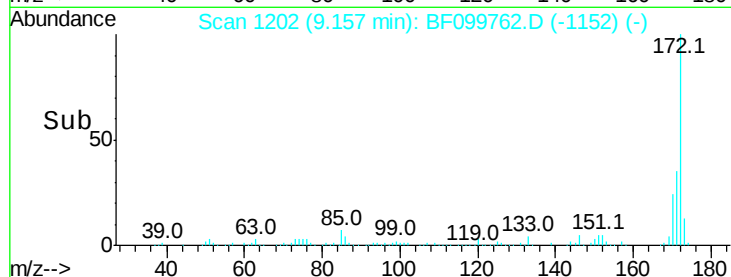
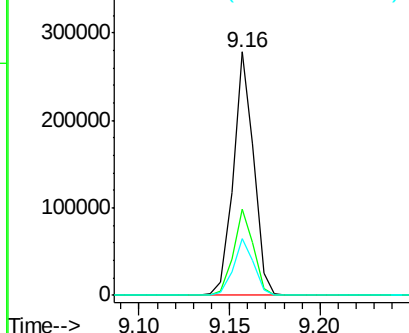
#44
 2-Fluorobiphenyl
 Concen: 16.962 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.6	19.6	29.4

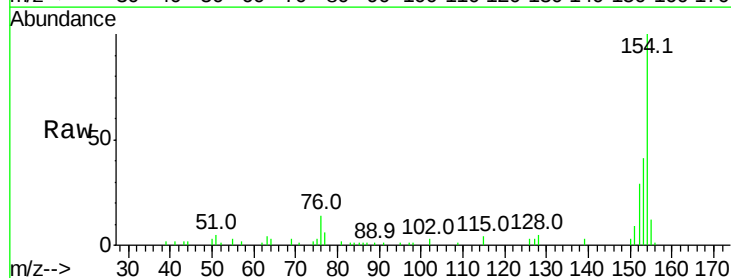


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

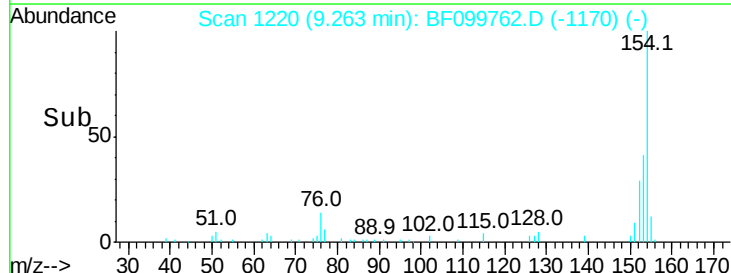
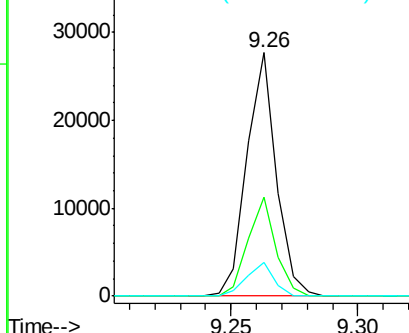


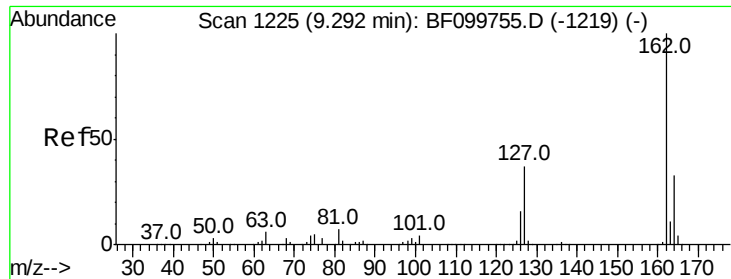
#45
 1,1'-Biphenyl
 Concen: 1.250 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	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

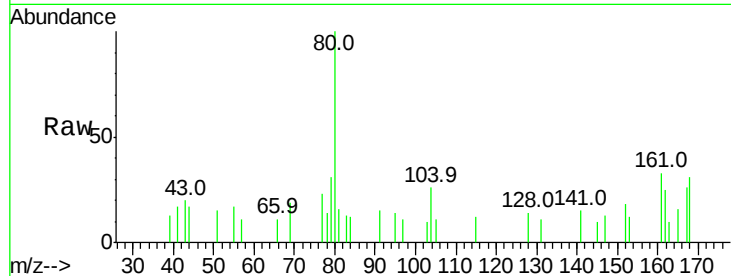




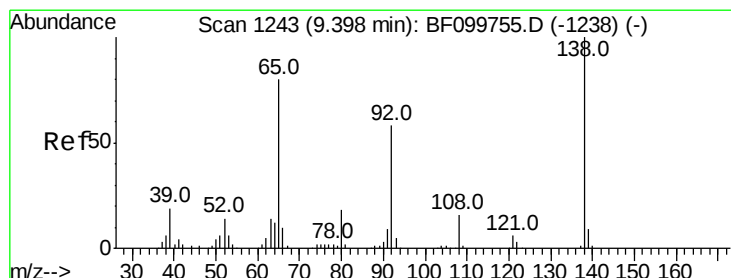
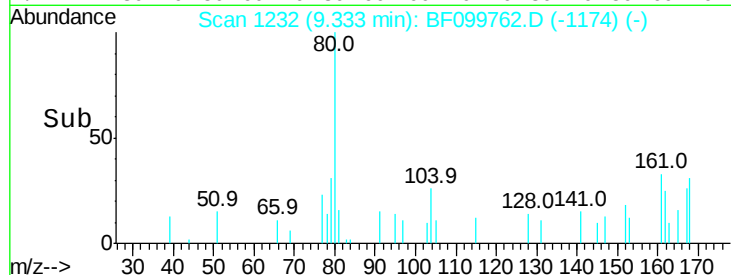
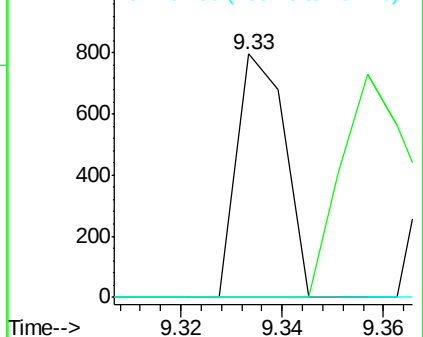
#46
 2-Chloronaphthalene
 Concen: 0.040 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.04 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:162 Resp: 522
 Ion Ratio Lower Upper
 162 100
 127 0.0 33.9 50.9#
 164 0.0 26.5 39.7#

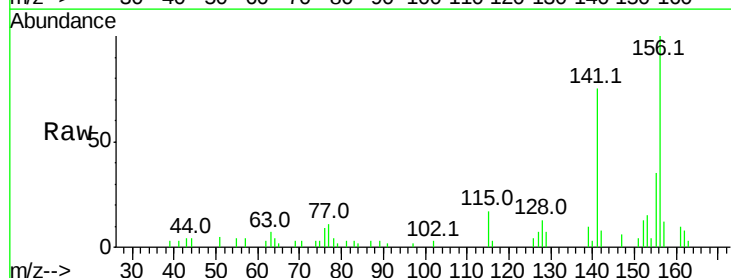


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

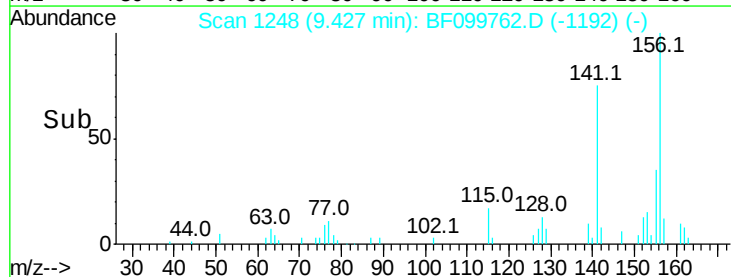
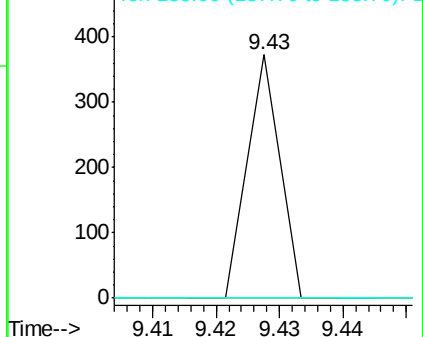


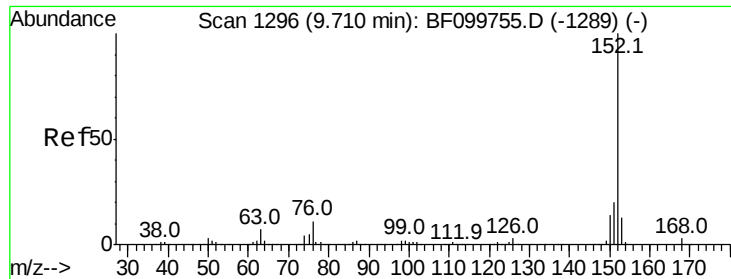
#47
 2-Nitroaniline
 Concen: 0.039 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.03 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Tgt Ion: 65 Resp: 132
 Ion Ratio Lower Upper
 65 100
 92 0.0 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

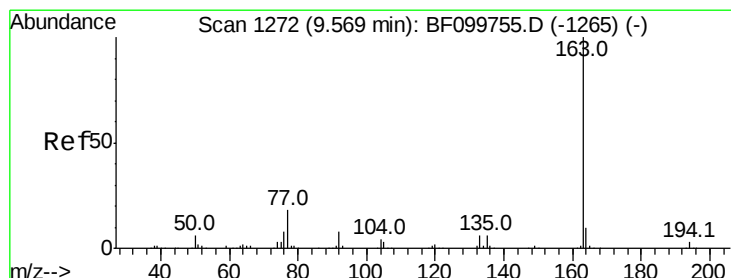
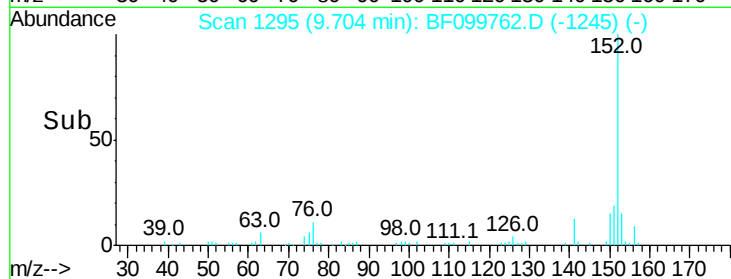
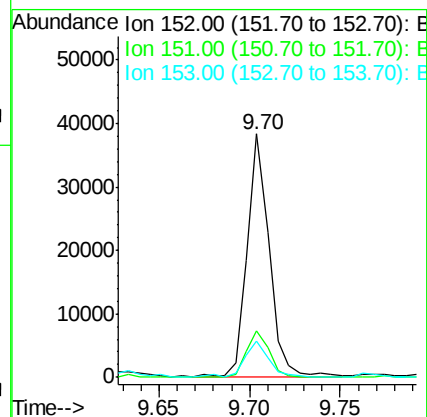
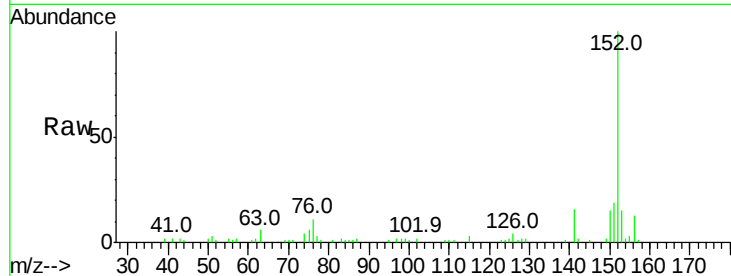




#48
Acenaphthylene
Concen: 1.648 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

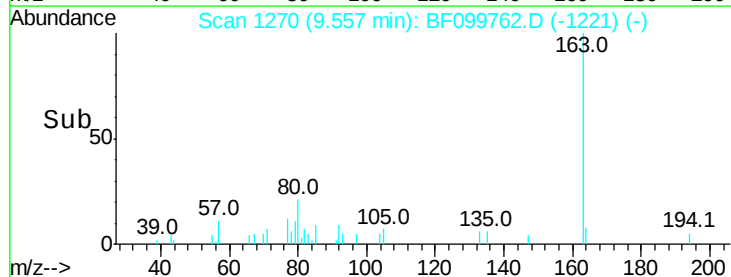
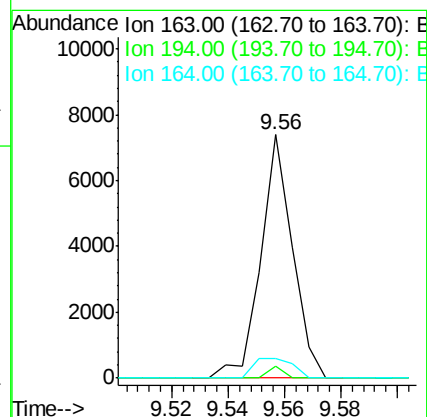
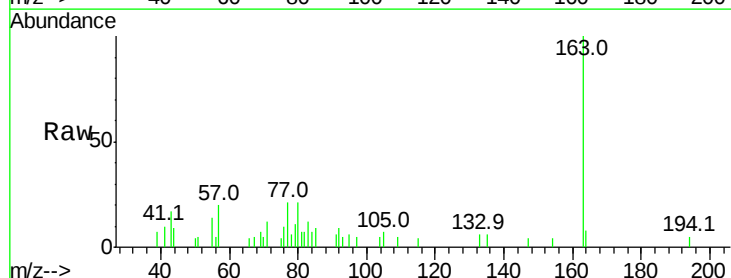
Instrument :
BNA_F
ClientSampleId :

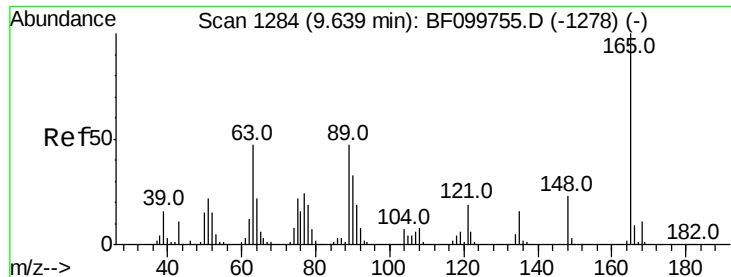
Tot Ion:152 Resp: 32925
Ion Ratio Lower Upper
152 100
151 19.3 16.3 24.5
153 15.1 10.7 16.1



#49
Dimethylphthalate
Concen: 0.368 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:163 Resp: 5749
Ion Ratio Lower Upper
163 100
194 5.2 2.7 4.1#
164 8.0 8.2 12.2#

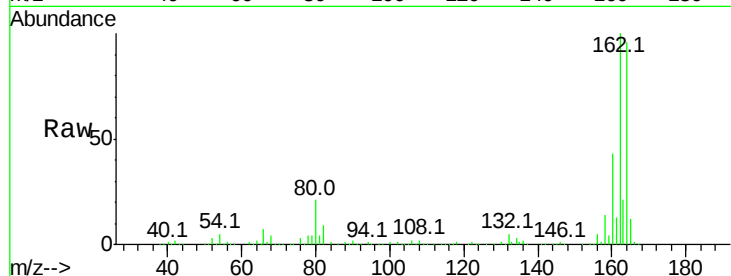




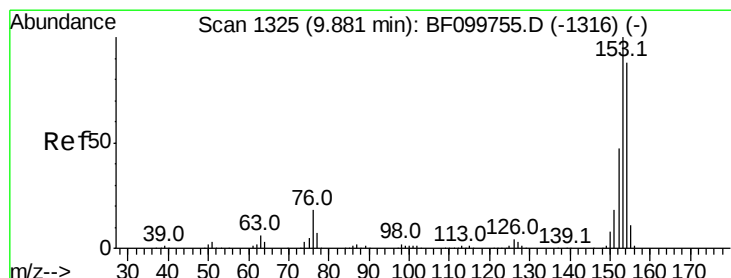
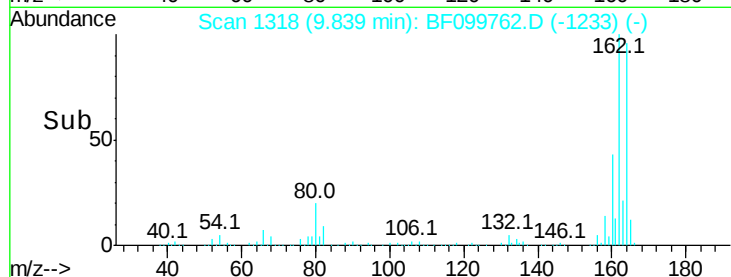
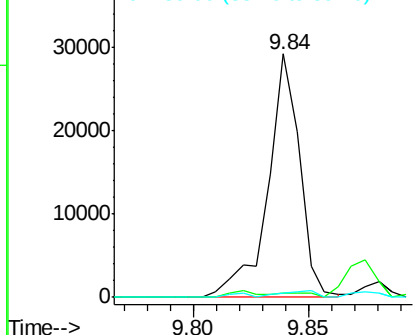
#50
 2,6-Dinitrotoluene
 Concen: 8.482 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 27877
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.7 67.1#
 89 1.7 44.0 66.0#

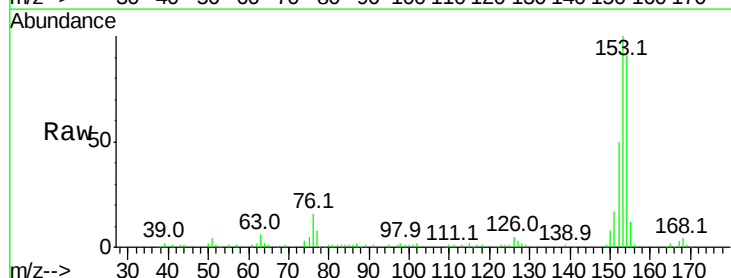


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

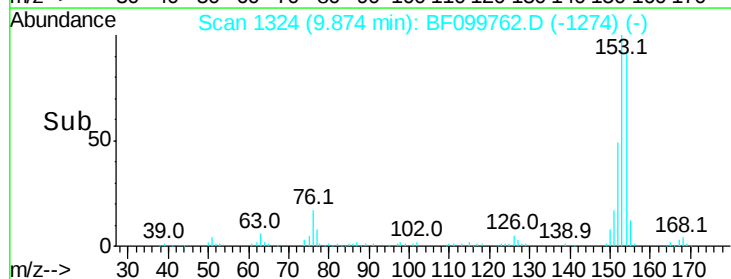
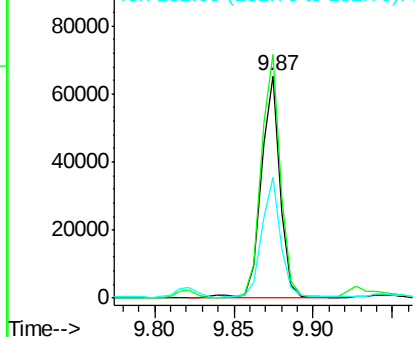


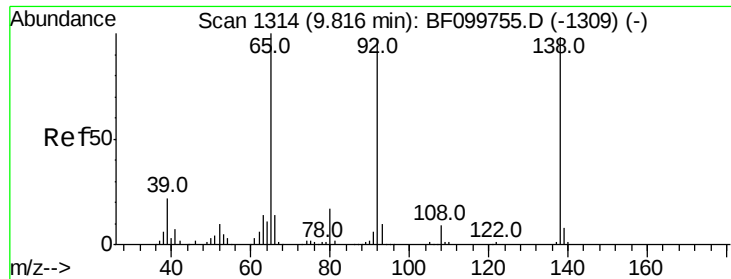
#51
 Acenaphthene
 Concen: 4.456 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Tgt Ion:154 Resp: 54392
 Ion Ratio Lower Upper
 154 100
 153 109.6 91.2 136.8
 152 54.5 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

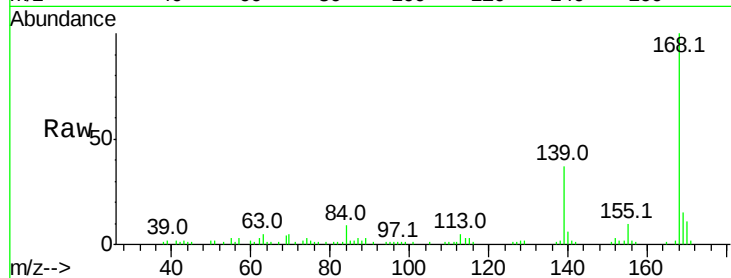




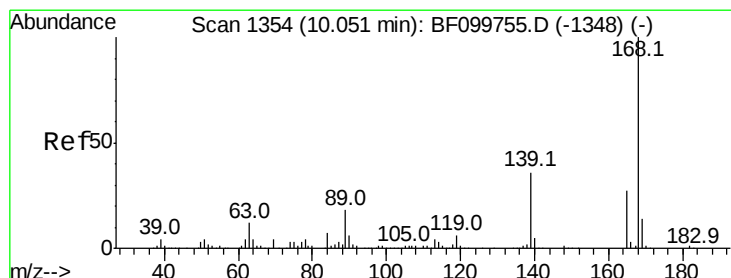
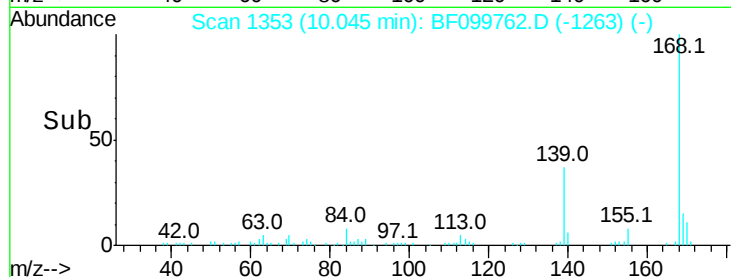
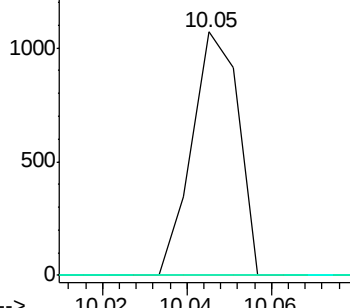
#52
3-Nitroaniline
Concen: 0.213 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.23 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 823
Ion Ratio Lower Upper
138 100
108 0.0 9.4 14.0#
92 0.0 89.4 134.2#

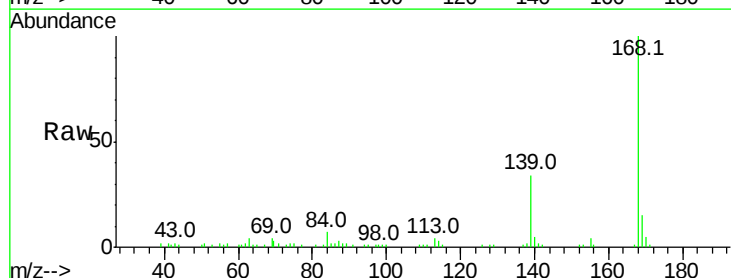


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

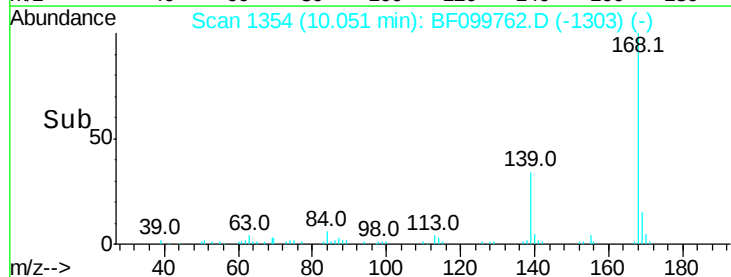
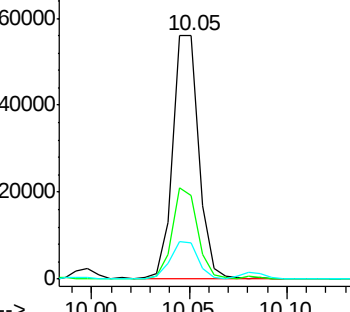


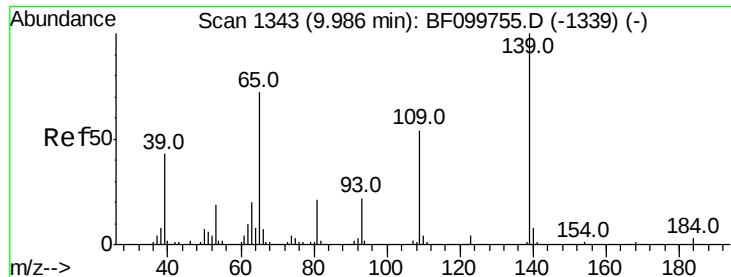
#54
Dibenzofuran
Concen: 3.024 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:168 Resp: 52113
Ion Ratio Lower Upper
168 100
139 34.5 30.1 45.1
169 14.7 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

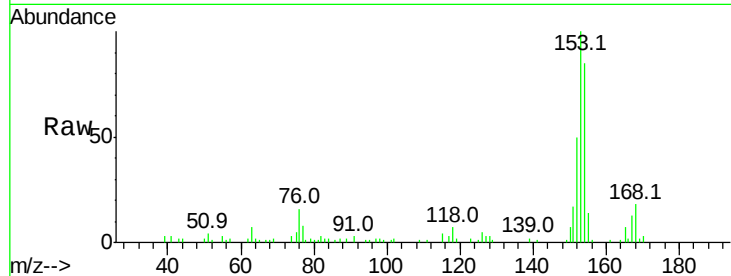




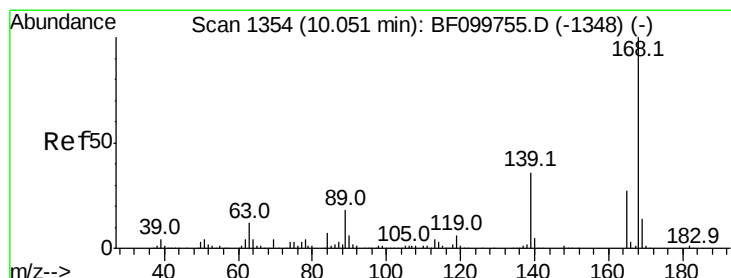
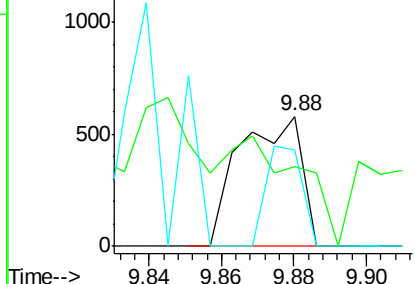
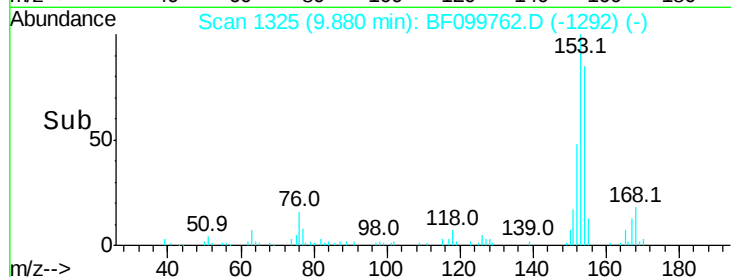
#55
4-Nitrophenol
Concen: 0.343 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.11 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 694
Ion Ratio Lower Upper
139 100
109 61.0 48.4 88.4
65 73.9 72.6 112.6

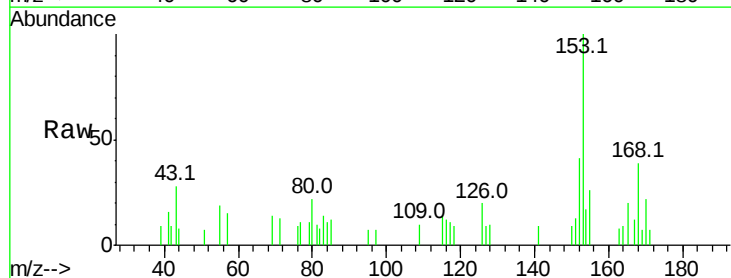


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

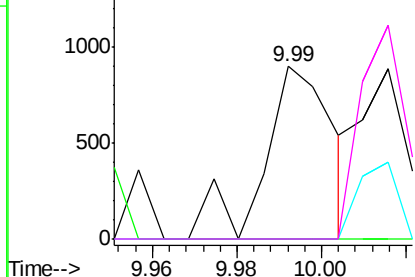
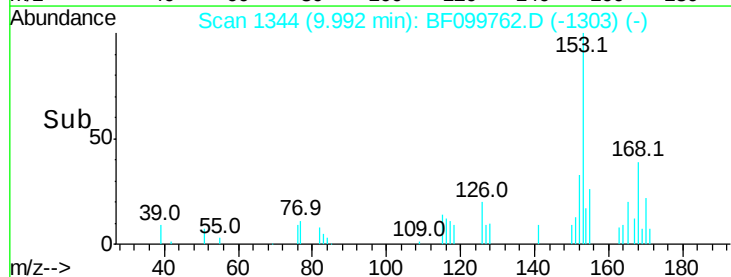


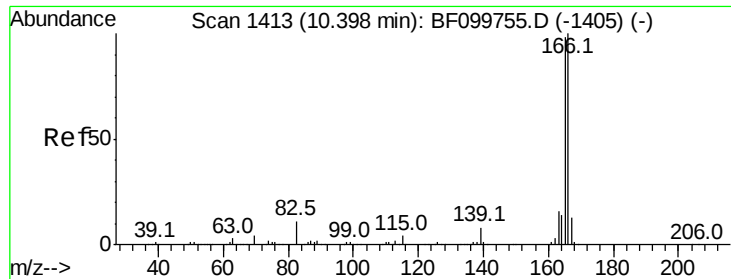
#56
2,4-Dinitrotoluene
Concen: 0.257 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.06 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:165 Resp: 1016
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



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

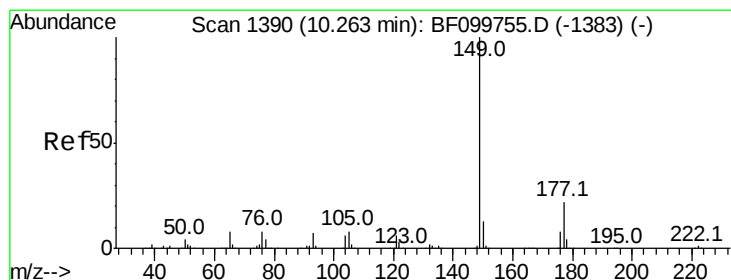
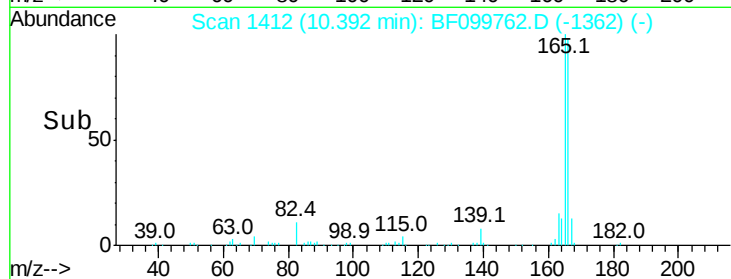
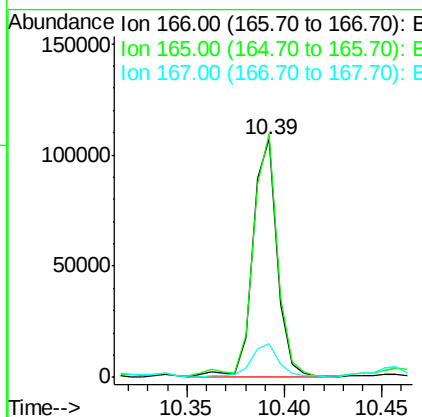
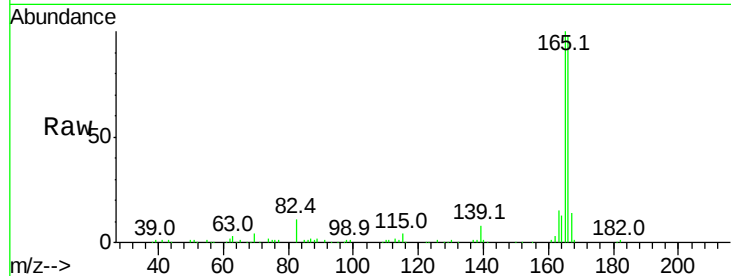




#57
Fluorene
Concen: 6.454 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

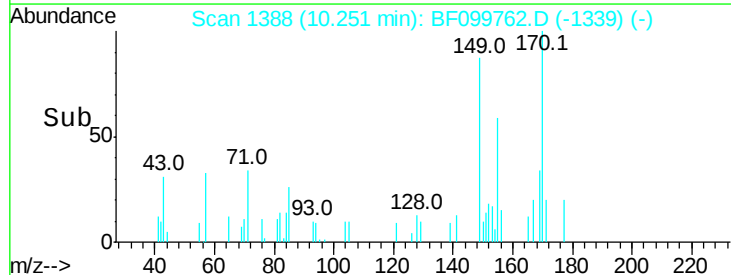
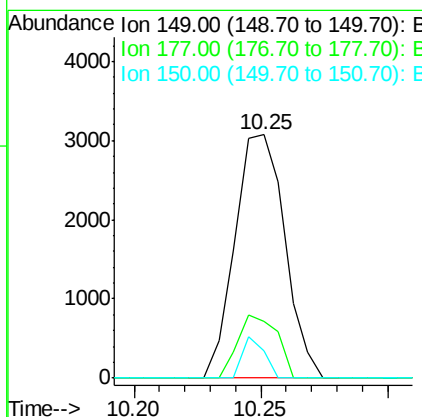
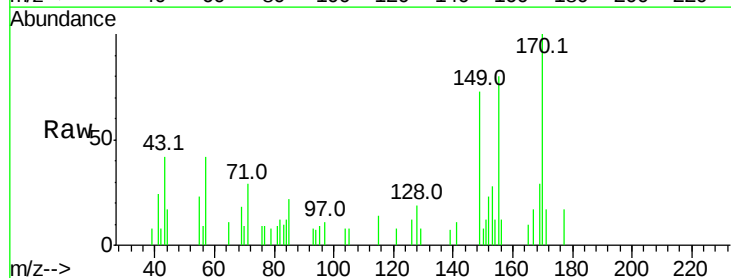
Instrument :
BNA_F
ClientSampled :

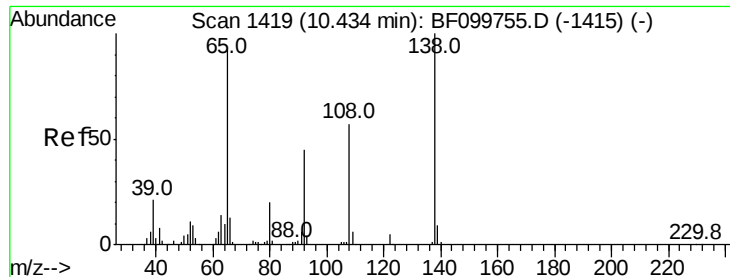
Tot Ion:166 Resp: 92074
Ion Ratio Lower Upper
166 100
165 102.2 79.8 119.8
167 14.1 10.6 16.0



#59
Diethylphthalate
Concen: 0.276 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:149 Resp: 4218
Ion Ratio Lower Upper
149 100
177 23.1 16.1 24.1
150 11.2 10.1 15.1

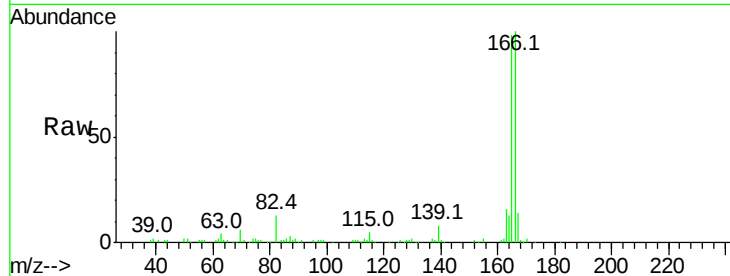




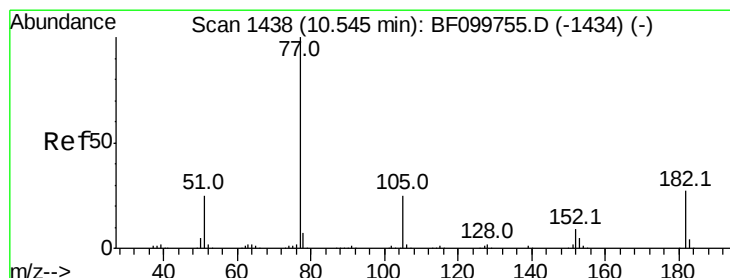
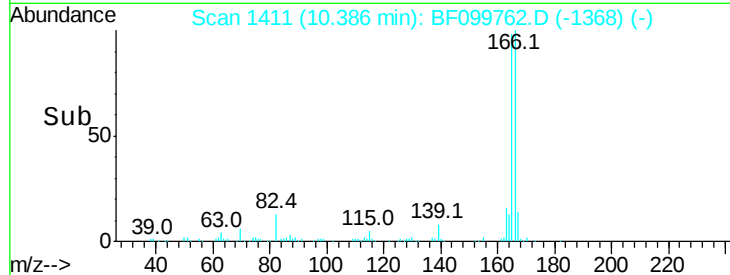
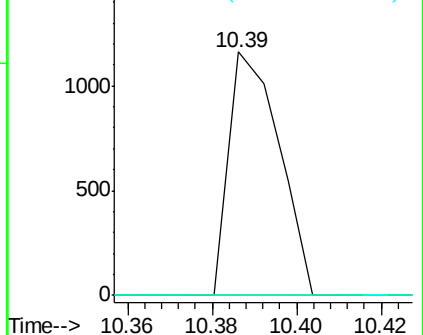
#61
4-Nitroaniline
Concen: 0.260 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.05 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 959
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#

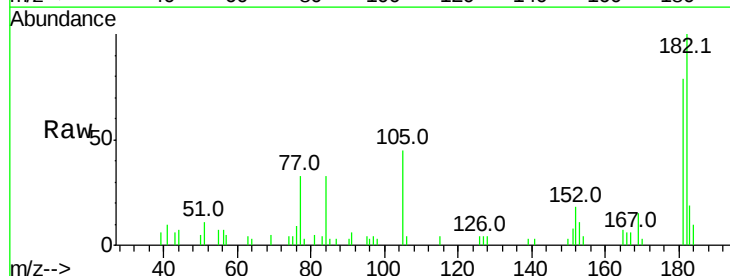


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

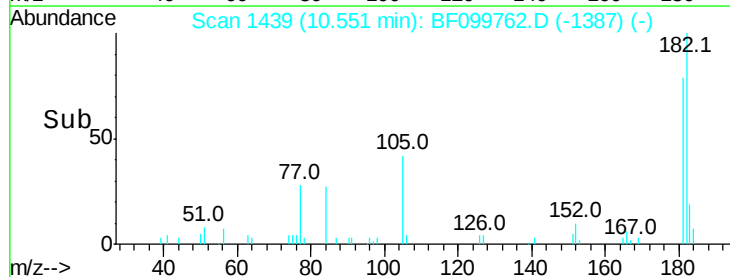
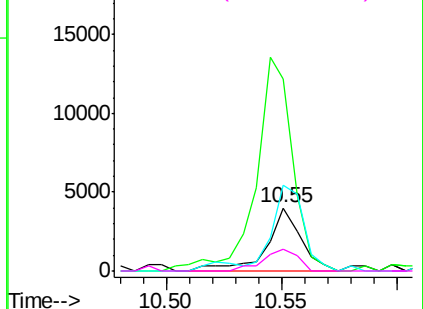


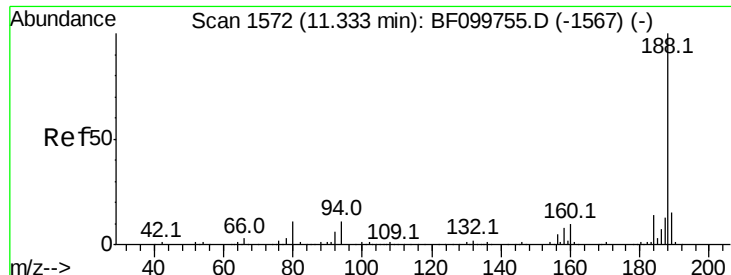
#62
Azobenzene
Concen: 0.324 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion: 77 Resp: 4144
Ion Ratio Lower Upper
77 100
182 304.2 1.7 41.7#
105 136.4 3.0 43.0#
51 33.7 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

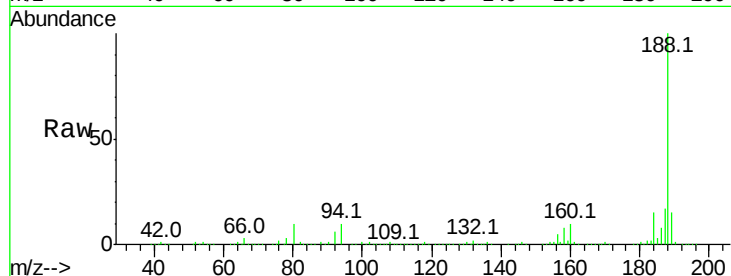




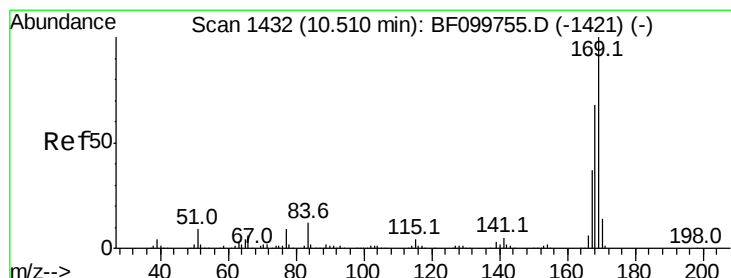
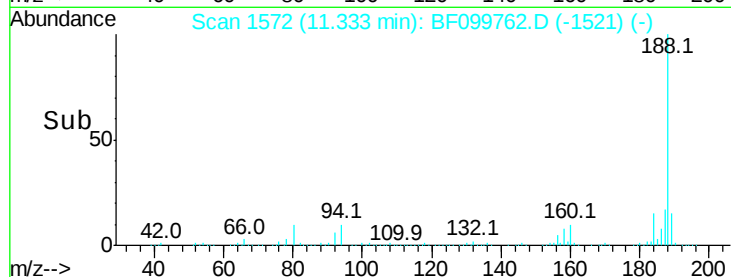
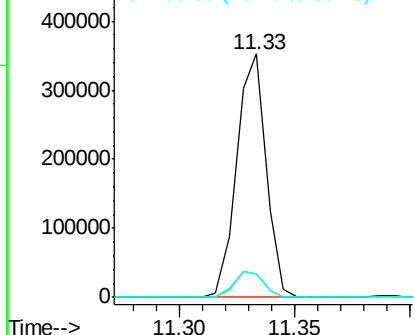
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 313892
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 9.8 9.2 13.8

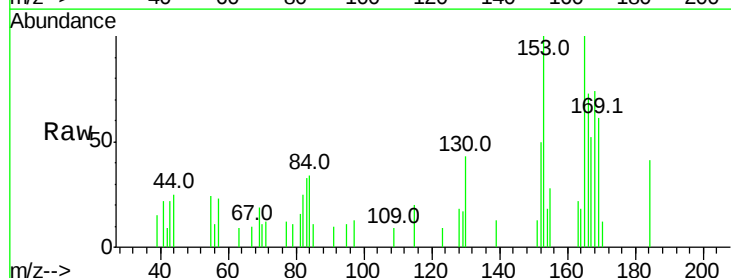


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

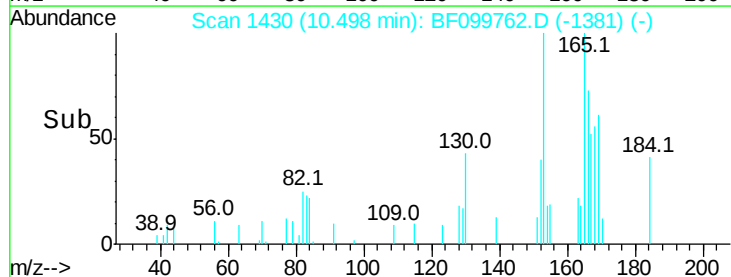
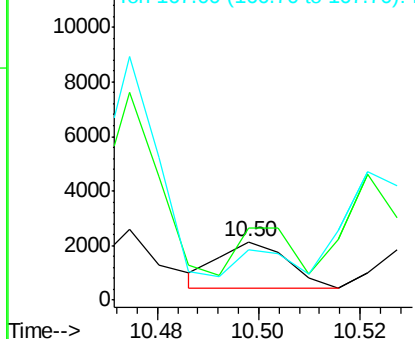


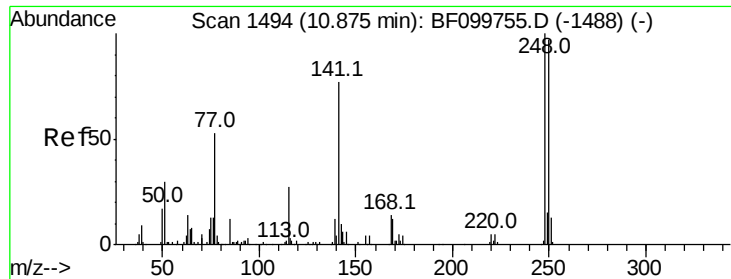
#65
n-Nitrosodiphenylamine
Concen: 0.139 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:169 Resp: 1611
Ion Ratio Lower Upper
169 100
168 122.0 54.4 81.6#
167 85.3 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

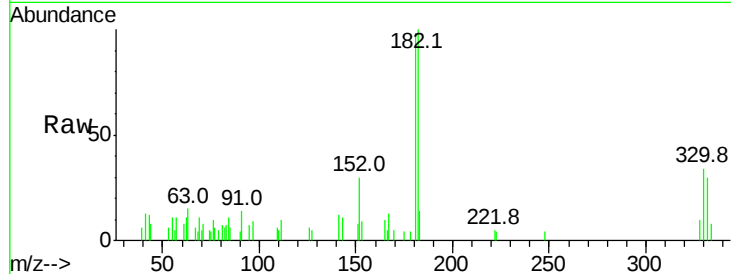




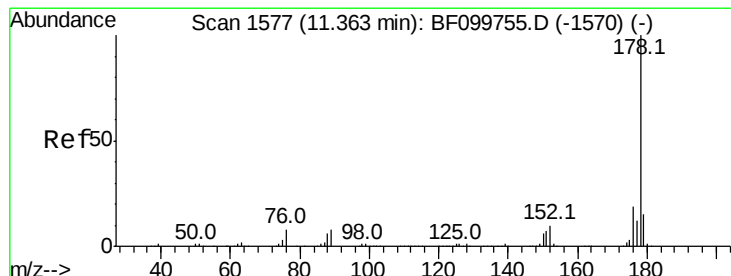
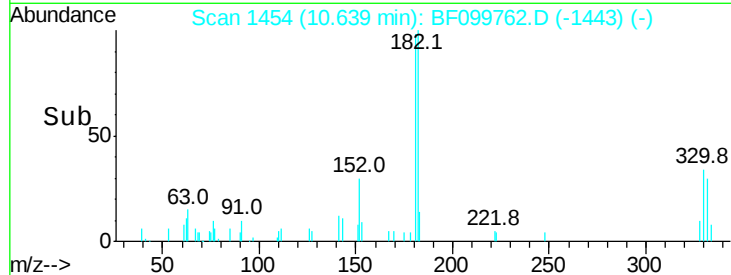
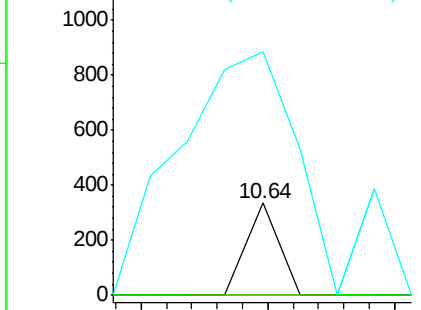
#66
 4-Bromophenyl-phenylether
 Concen: 0.036 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	248	Resp:	118
Ion	Ratio	Lower	Upper
248	100		
250	0.0	76.9	115.3#
141	264.2	74.4	111.6#

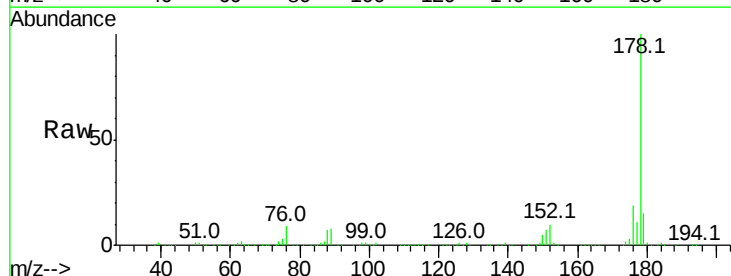


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

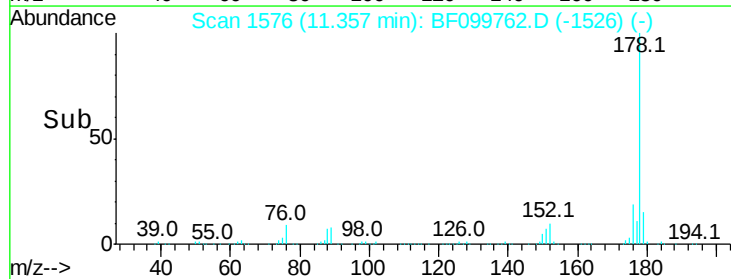
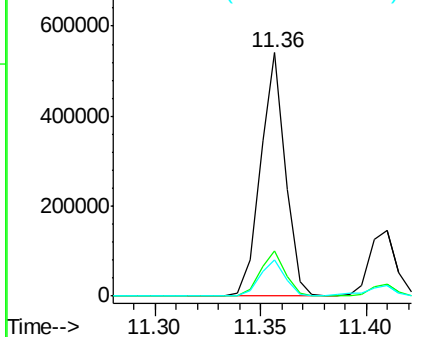


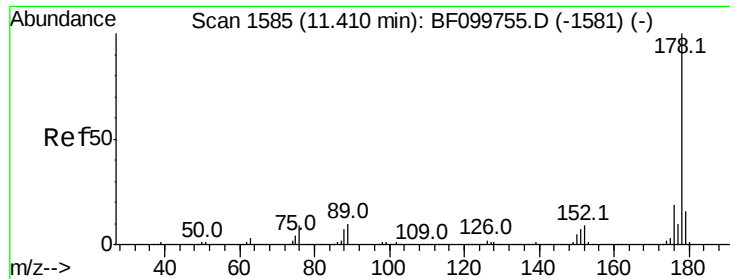
#70
 Phenanthrene
 Concen: 24.892 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Tgt Ion:	178	Resp:	440945
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	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: 6.941 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampleId :

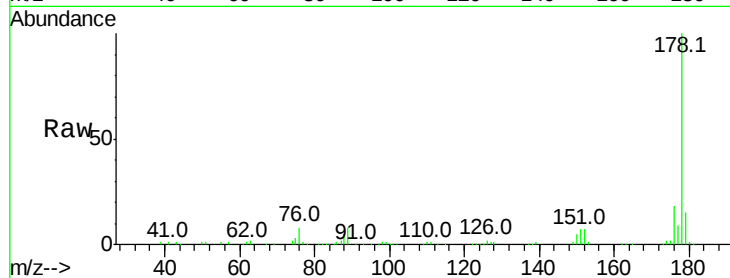
Tot Ion:178 Resp: 124802

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

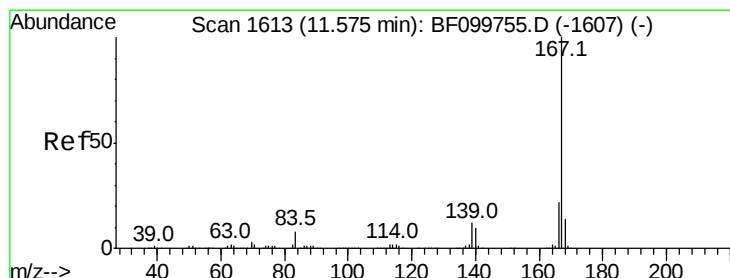
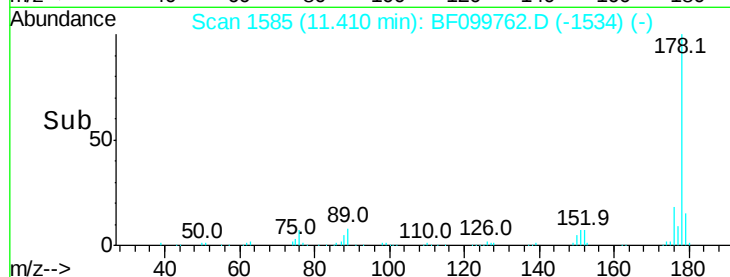
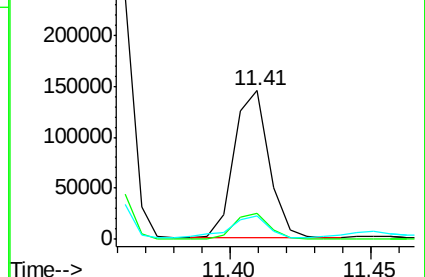
179 15.4 12.6 19.0



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: 1.416 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

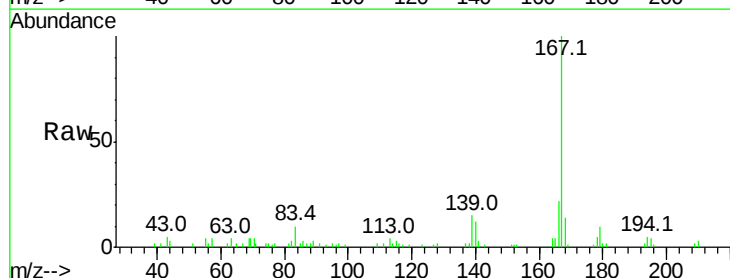
Tgt Ion:167 Resp: 23942

Ion Ratio Lower Upper

167 100

166 22.1 17.6 26.4

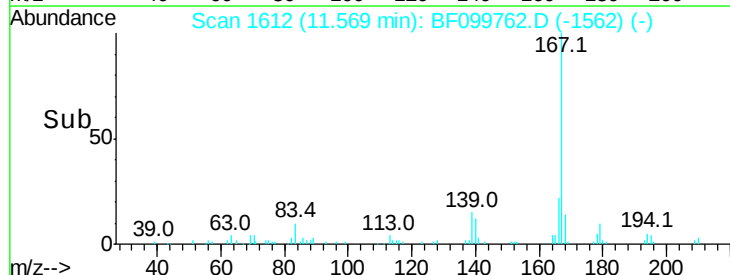
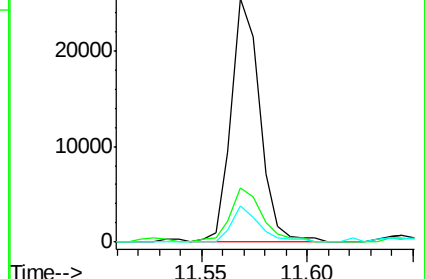
139 14.7 10.9 16.3

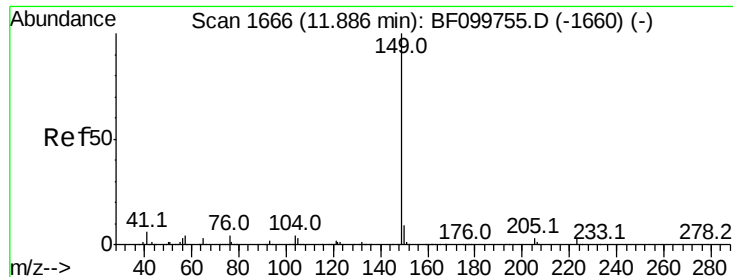


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

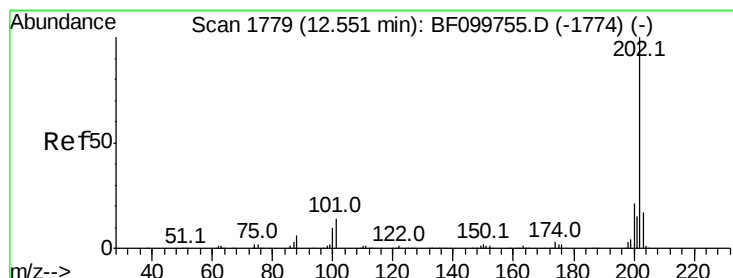
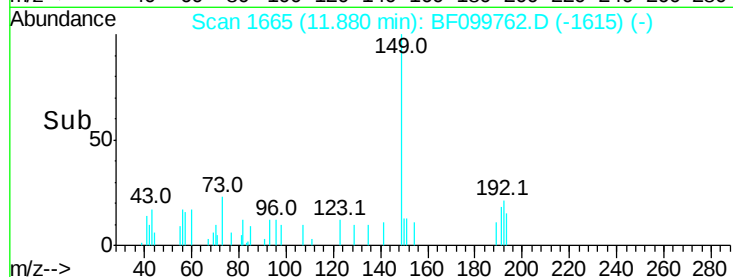
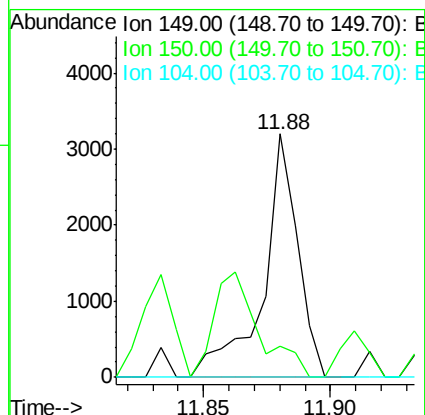
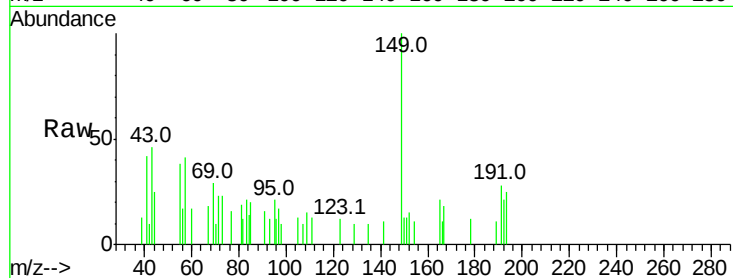




#73
Di-n-butylphthalate
Concen: 0.141 ng
RT: 11.88 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

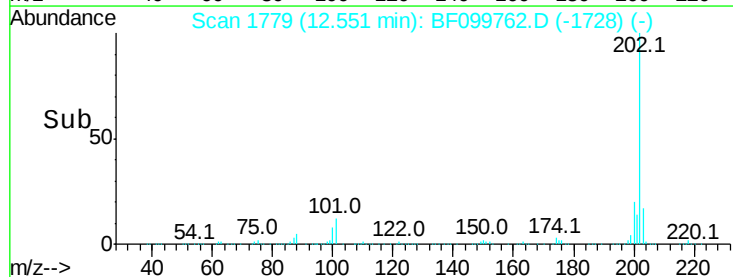
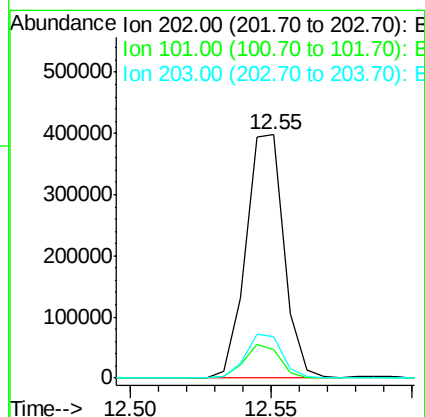
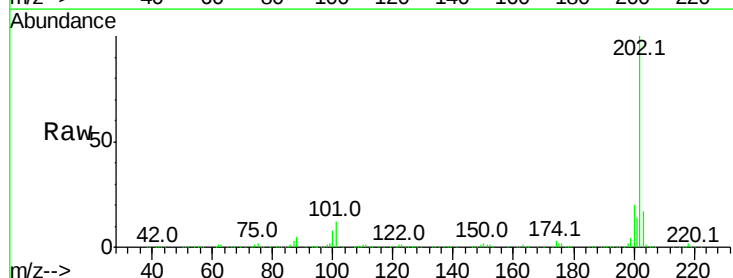
Instrument :
BNA_F
ClientSampleId :

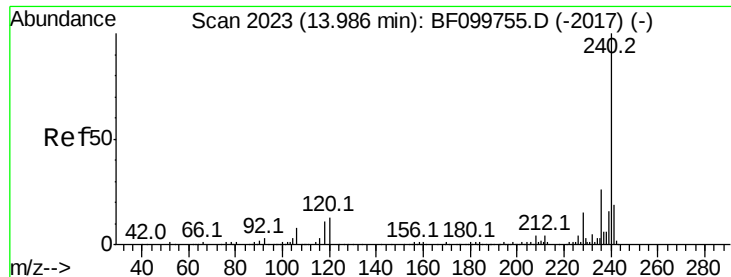
Tot Ion:149 Resp: 3050
Ion Ratio Lower Upper
149 100
150 12.8 7.8 11.6#
104 0.0 3.8 5.8#



#74
Fluoranthene
Concen: 20.222 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:202 Resp: 372265
Ion Ratio Lower Upper
202 100
101 11.6 0.0 34.1
203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampleId :

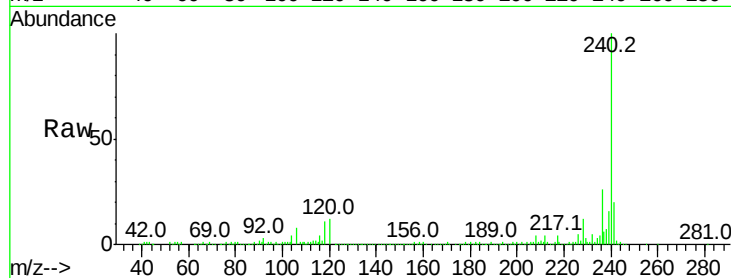
Tot Ion:240 Resp: 186707

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

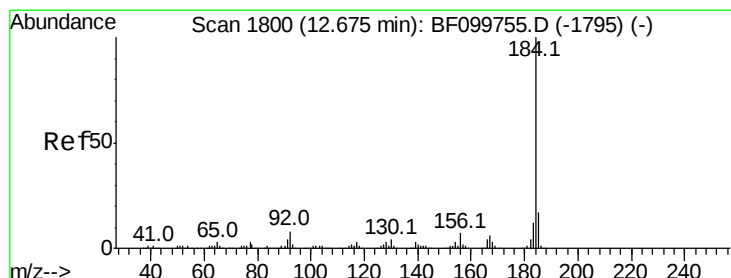
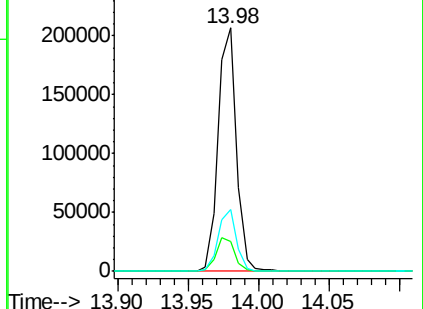
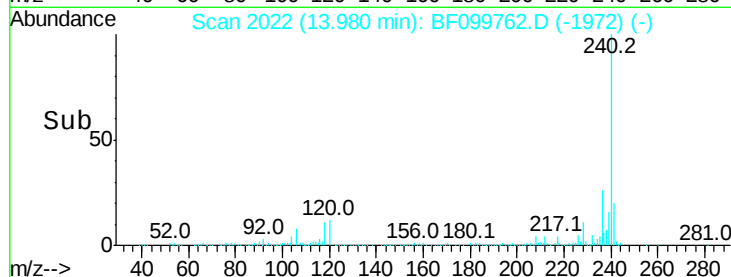
236 25.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.222 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.24 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

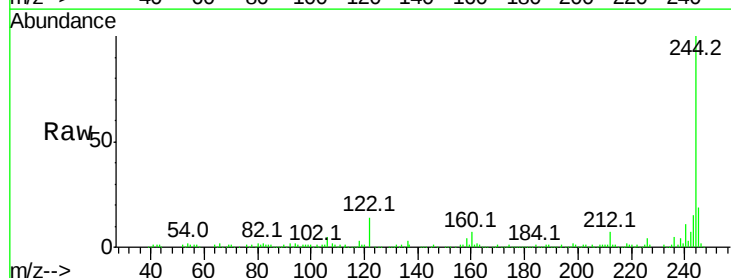
Tgt Ion:184 Resp: 1817

Ion Ratio Lower Upper

184 100

185 27.4 12.6 18.8#

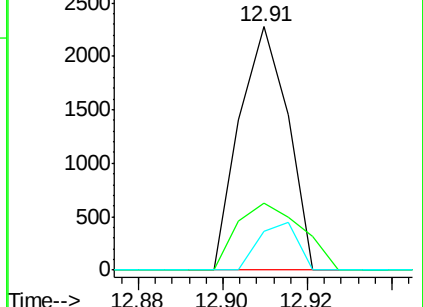
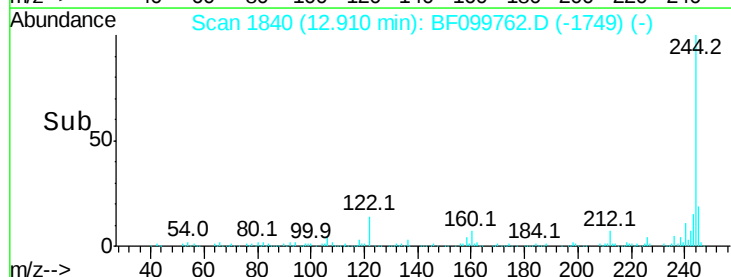
183 16.1 9.3 13.9#

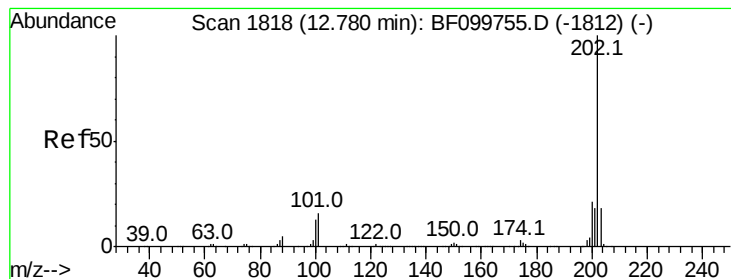


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 25.324 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampled :

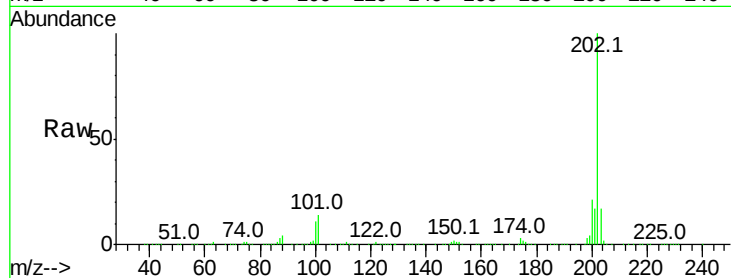
Tot Ion:202 Resp: 359527

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

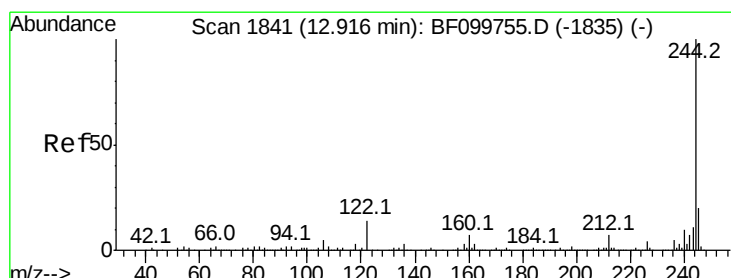
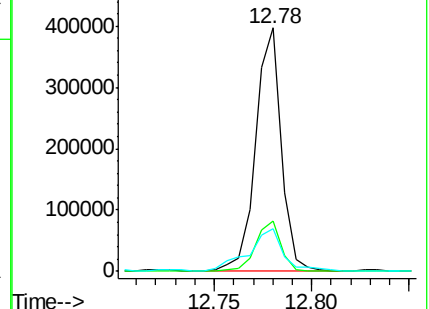
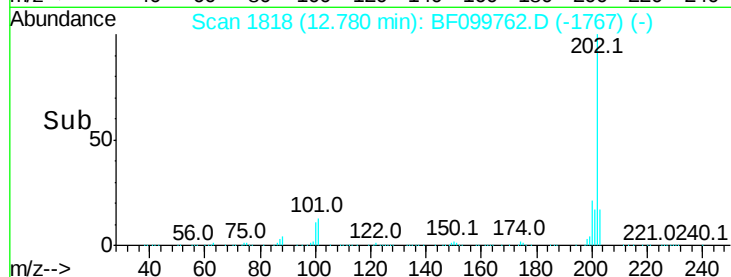
203 17.4 14.3 21.5



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



#78

Terphenyl-d14

Concen: 16.254 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

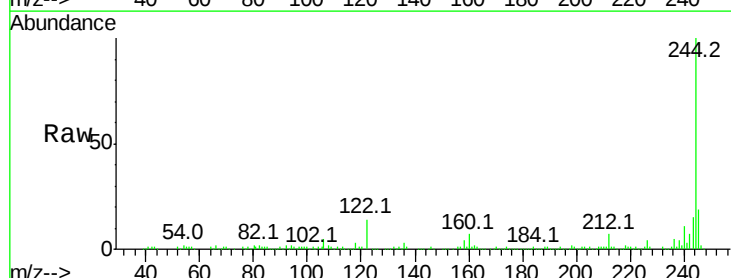
Tgt Ion:244 Resp: 138869

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

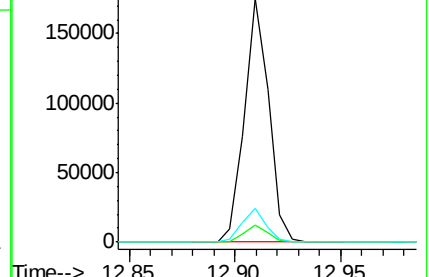
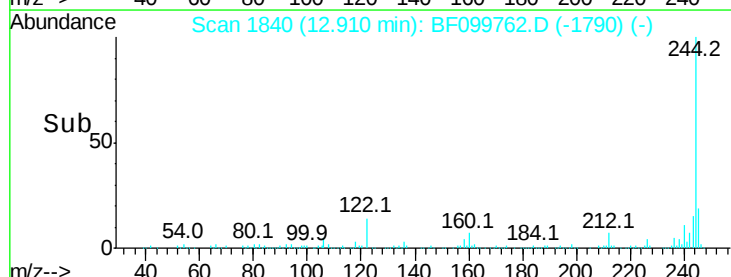
122 13.6 11.0 16.4

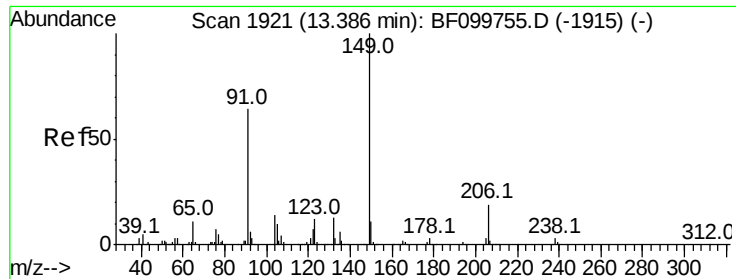


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

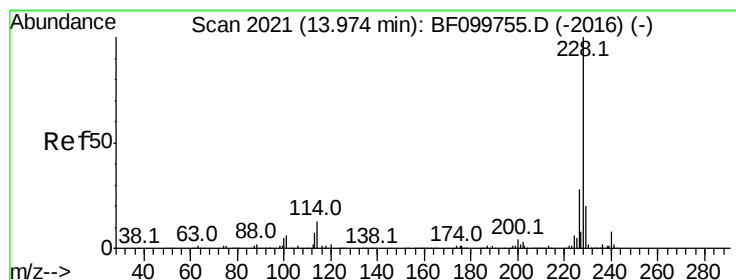
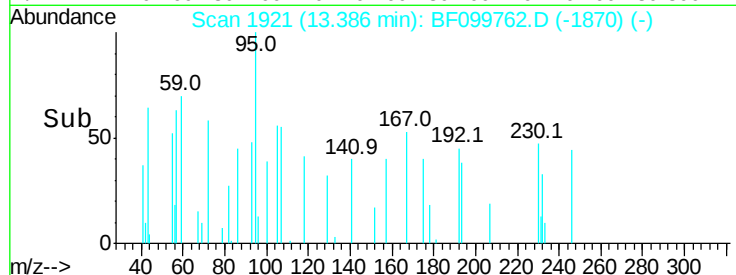
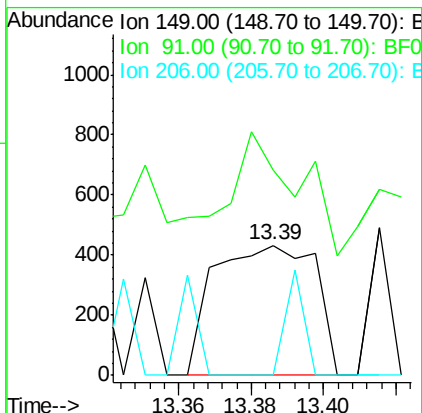
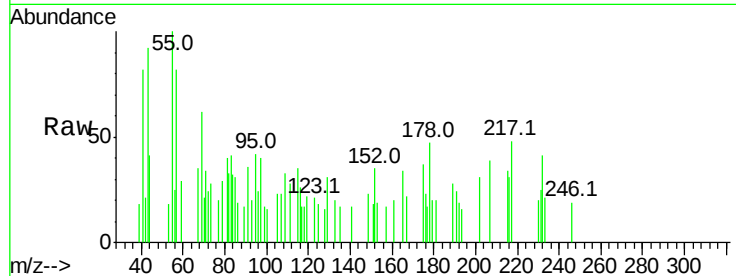




#79
Butylbenzylphthalate
Concen: 0.120 ng
RT: 13.39 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

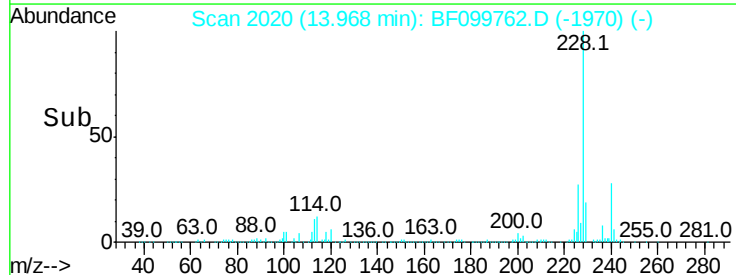
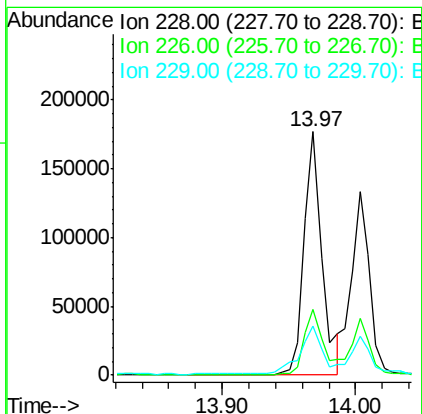
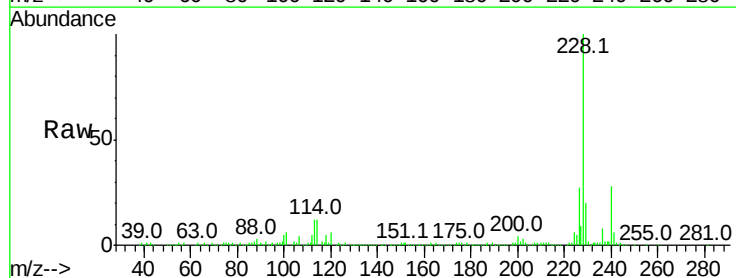
Instrument :
BNA_F
ClientSampleId :

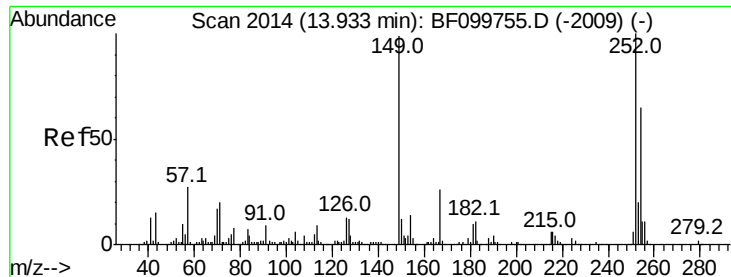
Tot Ion:149 Resp: 836
Ion Ratio Lower Upper
149 100
91 157.3 56.8 85.2#
206 0.0 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 13.875 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:228 Resp: 164229
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 20.1 15.8 23.6

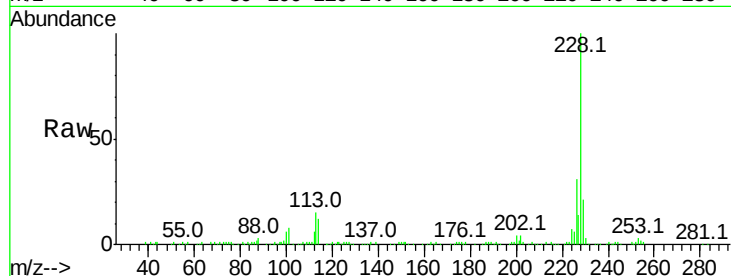




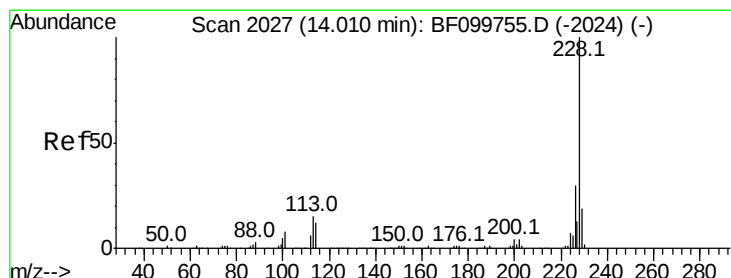
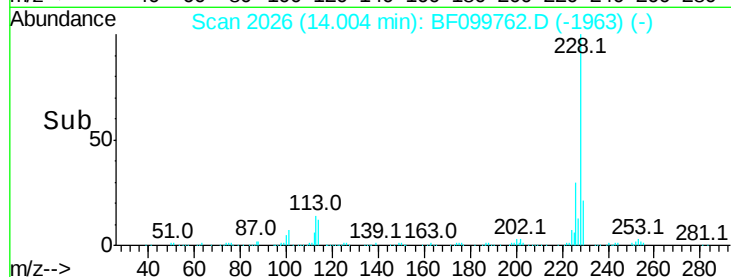
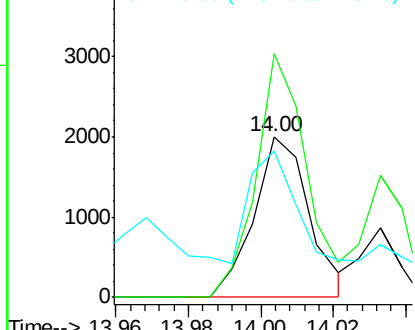
#81
 3,3'-Dichlorobenzidine
 Concen: 0.491 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.07 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 2108
 Ion Ratio Lower Upper
 252 100
 254 151.4 50.4 75.6#
 126 90.7 11.3 16.9#

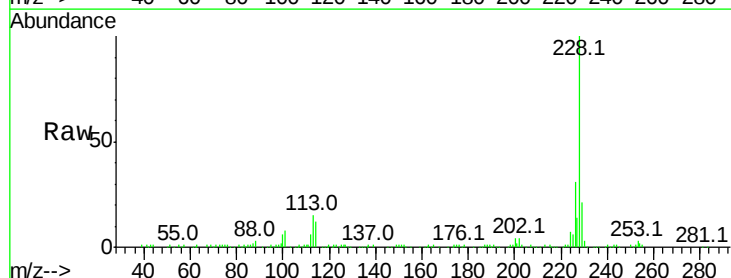


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

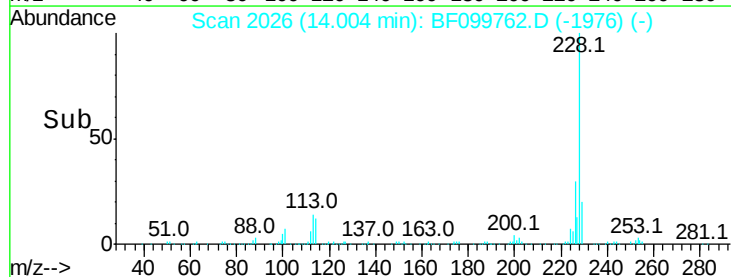
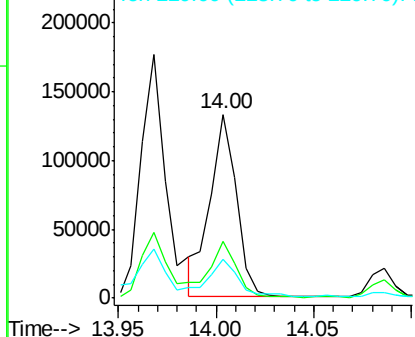


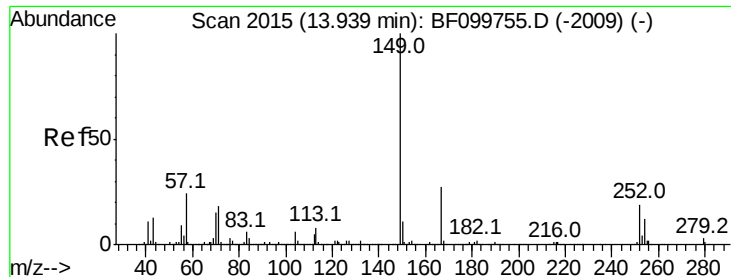
#82
 Chrysene
 Concen: 11.303 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Tgt Ion:228 Resp: 125777
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.0 37.6
 229 21.4 16.2 24.4



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.870 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :

BNA_F

ClientSampleId :

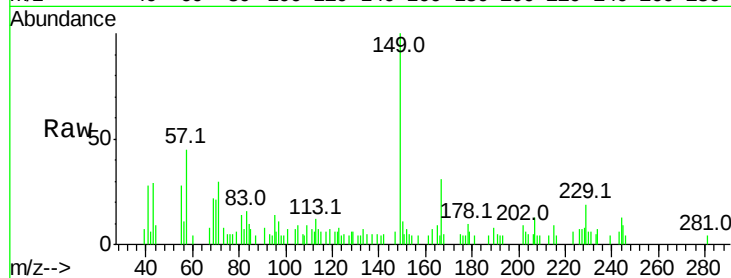
Tot Ion:149 Resp: 8542

Ion Ratio Lower Upper

149 100

167 30.5 21.3 31.9

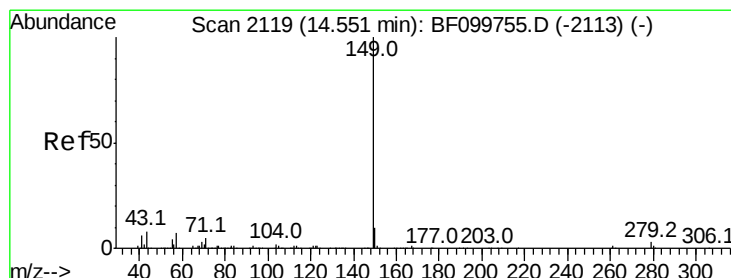
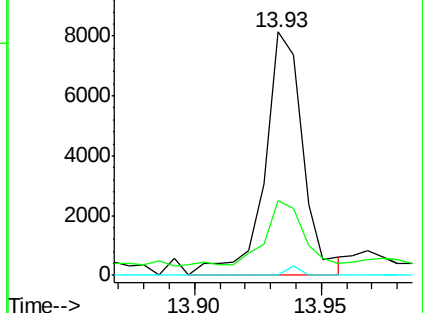
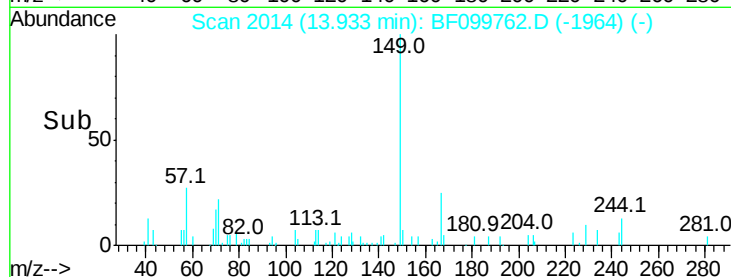
279 0.0 3.0 4.4#



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: 0.024 ng

RT: 14.56 min Scan# 2120

Delta R.T. 0.01 min

Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

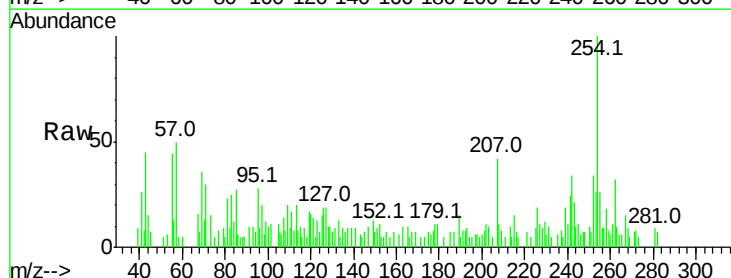
Tgt Ion:149 Resp: 408

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

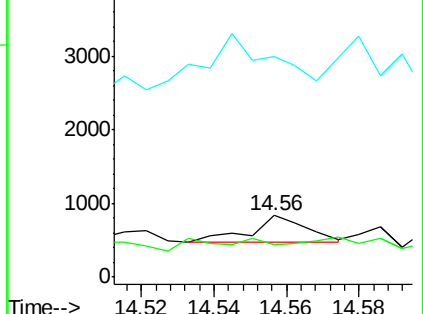
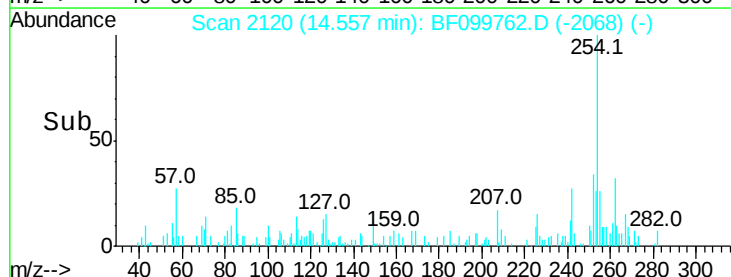
43 0.0 8.4 12.6#

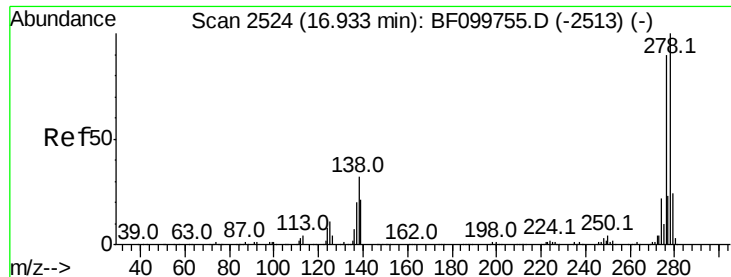


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

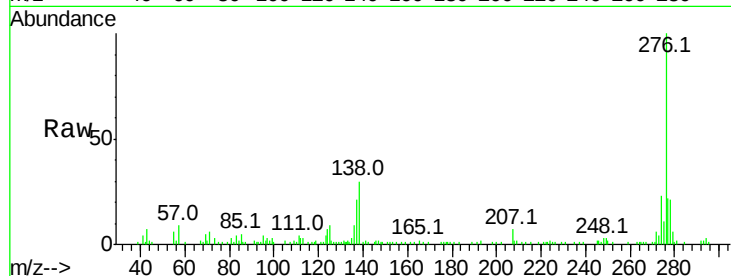




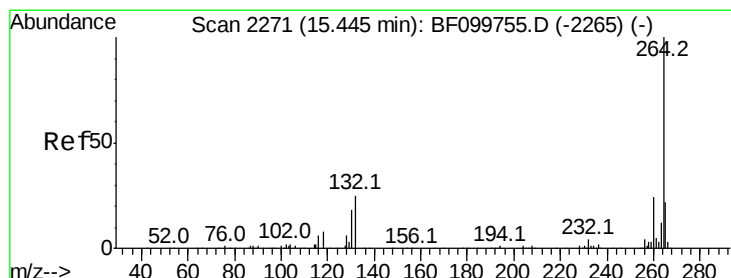
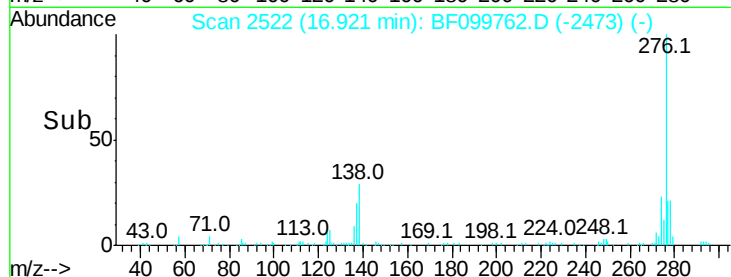
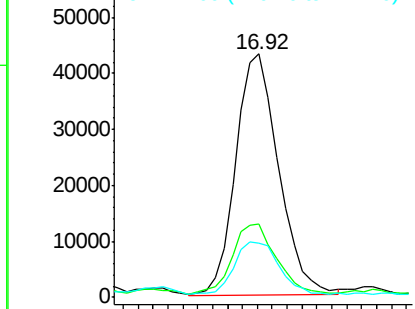
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.490 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 86724
 Ion Ratio Lower Upper
 276 100
 138 29.9 25.0 37.6
 277 22.5 20.1 30.1

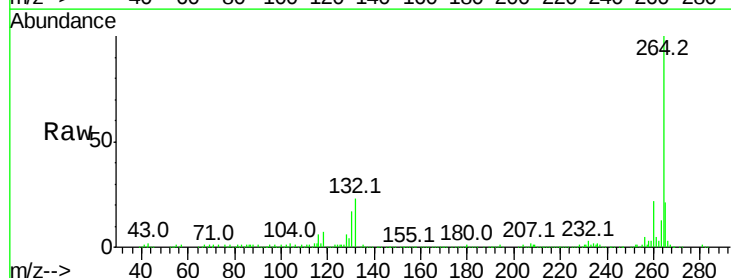


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

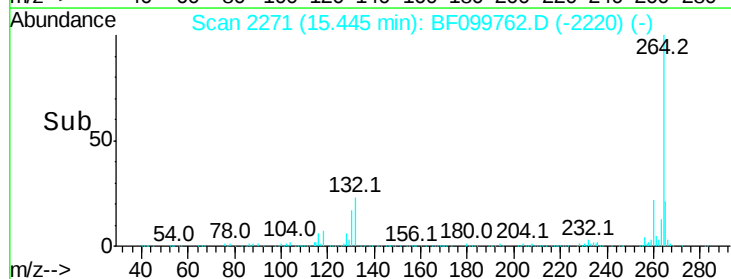
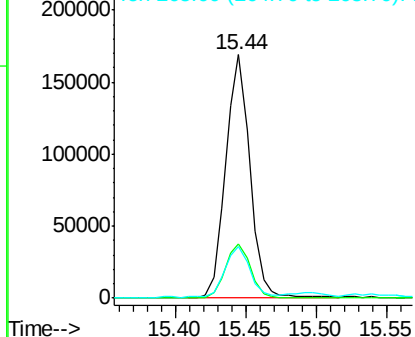


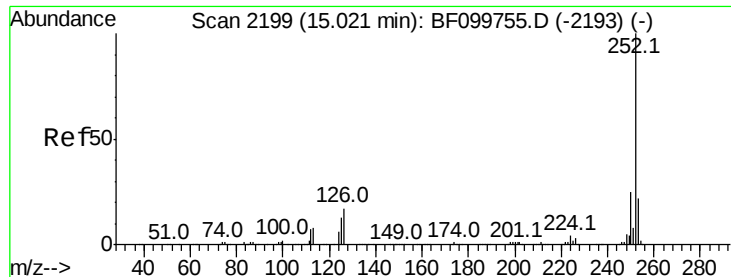
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Tgt Ion:264 Resp: 202233
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.2 28.8
 265 21.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

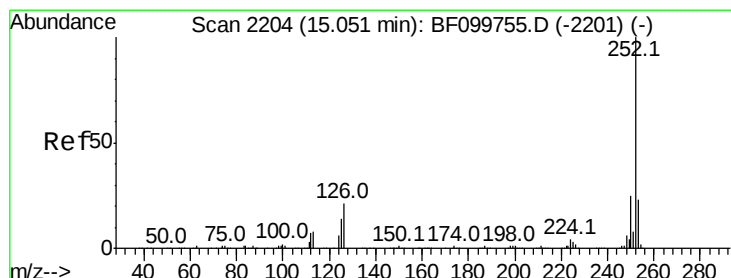
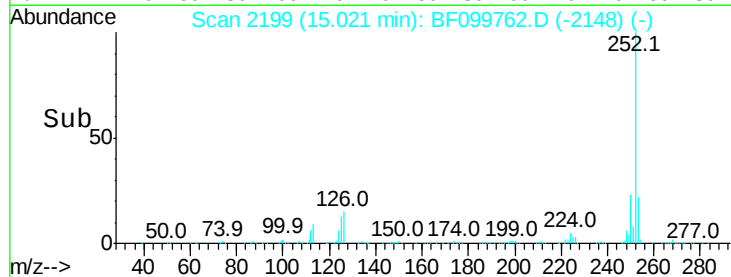
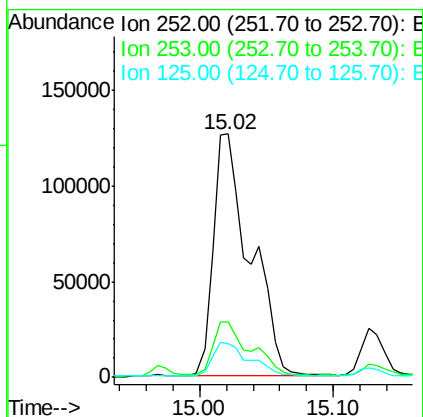
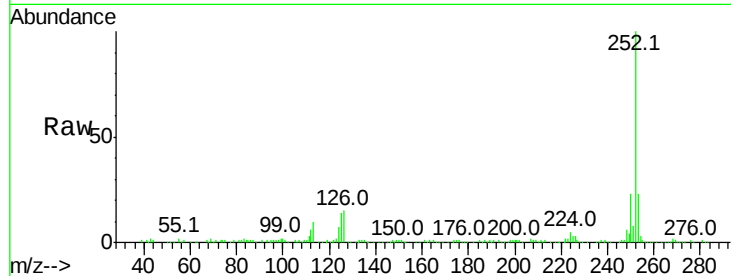




#87
Benzo(b)fluoranthene
Concen: 19.144 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

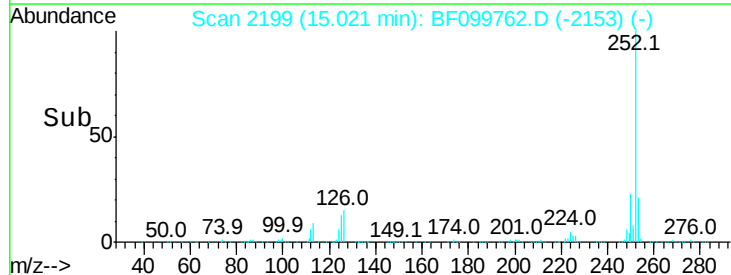
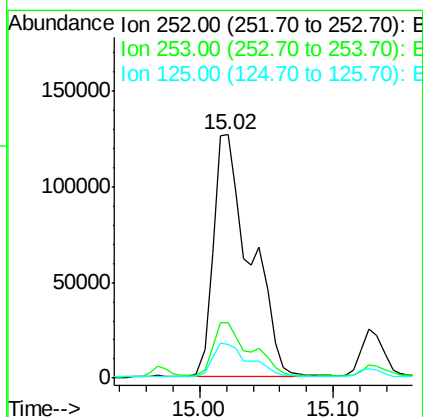
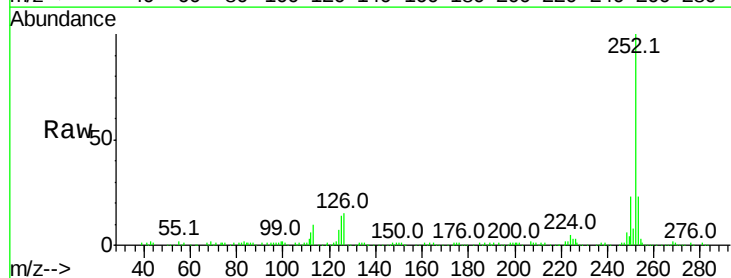
Instrument :
BNA_F
ClientSampleId :

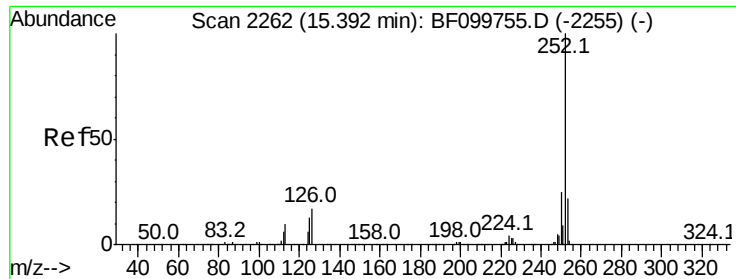
Tot Ion:252 Resp: 244466
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 13.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 20.302 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF099762.D
Acq: 23 Oct 2017 16:45

Tgt Ion:252 Resp: 244466
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 13.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 12.645 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

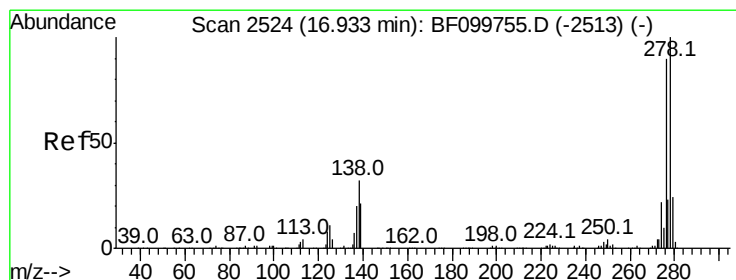
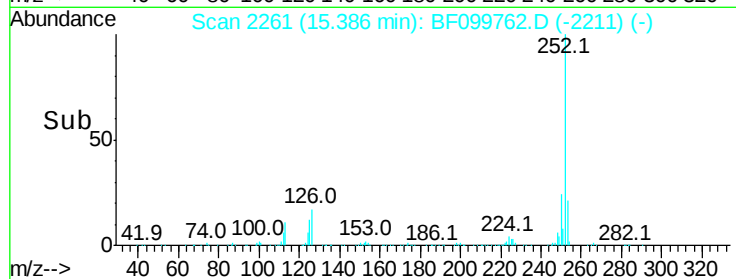
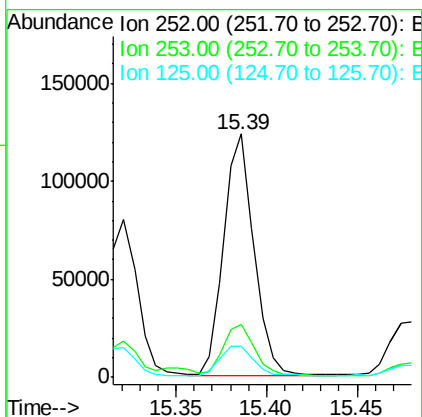
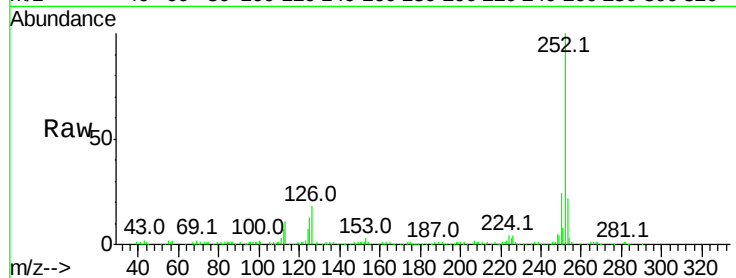
Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 145053

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	12.9	9.8	14.6



#90

Dibenzo(a,h)anthracene

Concen: 2.197 ng

RT: 16.92 min Scan# 2522

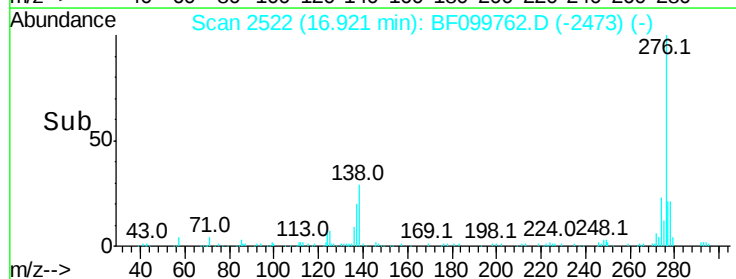
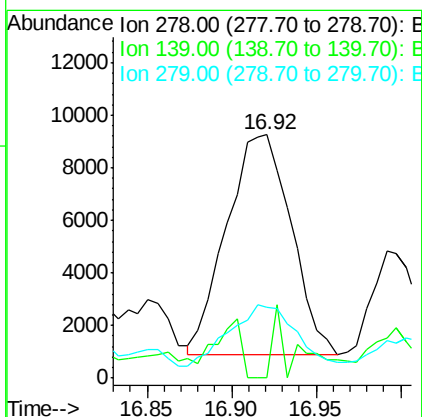
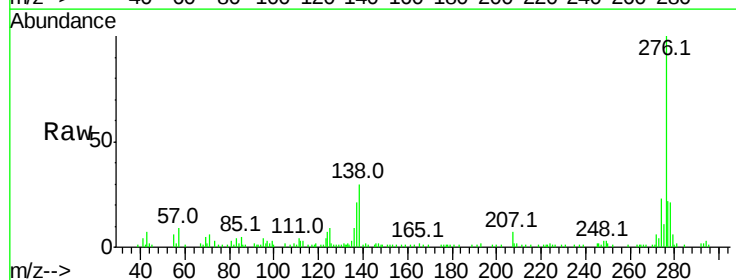
Delta R.T. -0.01 min

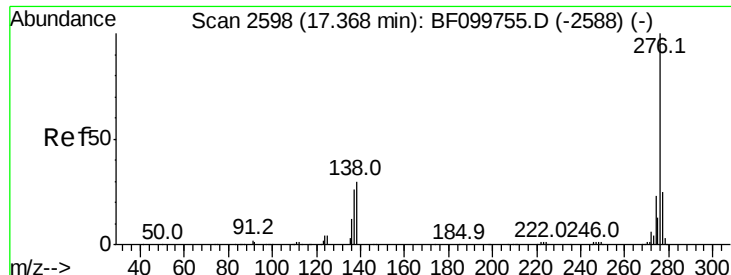
Lab File: BF099762.D

Acq: 23 Oct 2017 16:45

Tgt Ion:278 Resp: 22396

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.2	19.0	28.4#

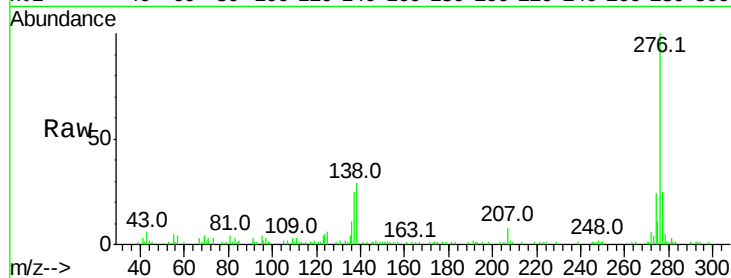




#91
 Benzo(a,h,i)perylene
 Concen: 8.565 ng
 RT: 17.36 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BF099762.D
 Acq: 23 Oct 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	29.1	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

