

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097477.D
 Acq On : 8 Aug 2017 19:20
 Operator : SJ/JU
 Sample : I4555-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SV21074LM

Quant Time: Aug 08 19:51:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

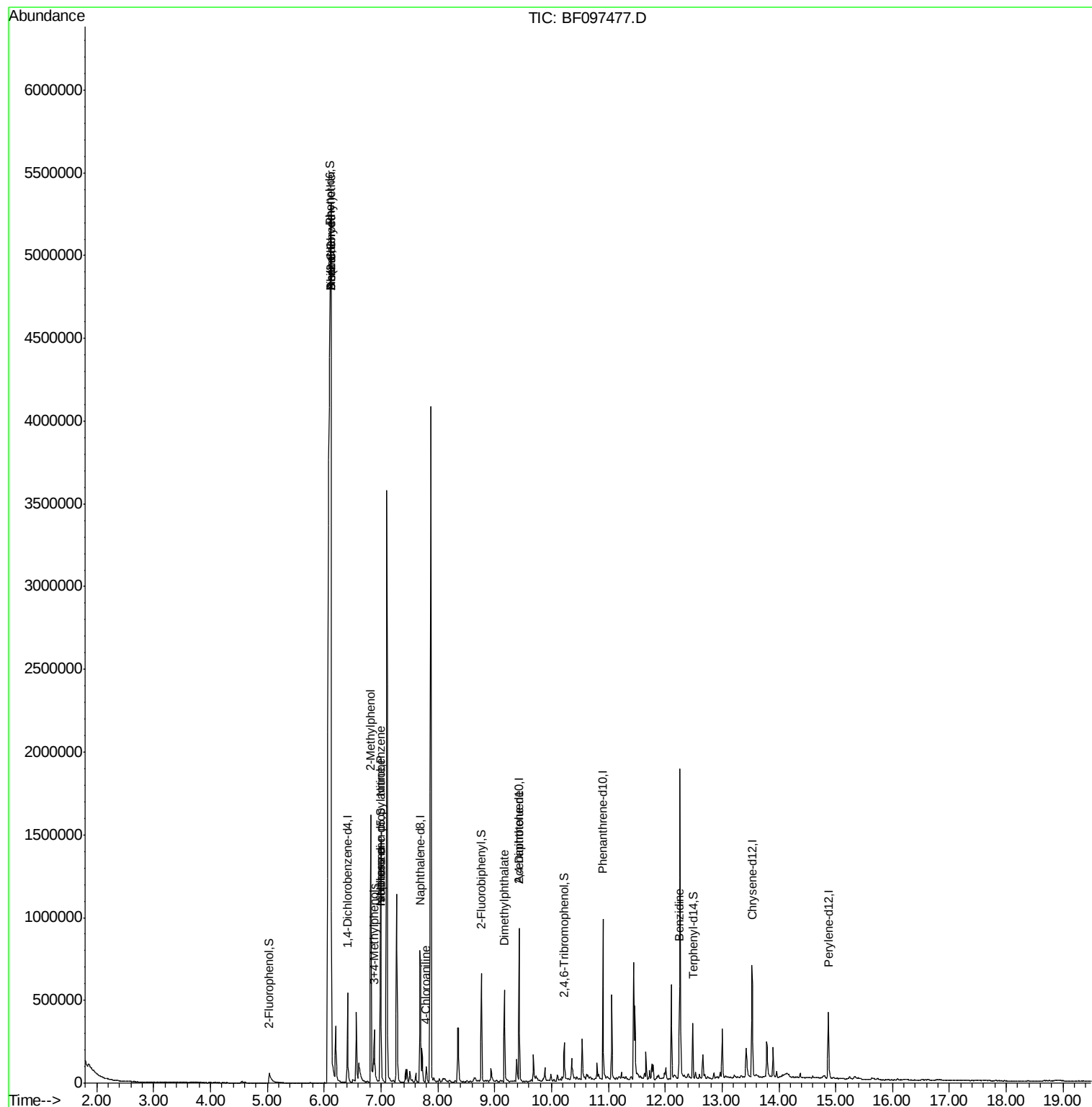
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	90715	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	387231	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	187918	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	313181	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	234150	20.00	ng	-0.01
86) Perylene-d12	14.87	264	167556	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	57674	9.58	ng	0.03
7) Phenol-d6	6.10	99	30223	4.40	ng	0.01
23) Nitrobenzene-d5	6.98	82	126238	19.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	23207	15.63	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	193802	17.50	ng	-0.01
78) Terphenyl-d14	12.49	244	97066	8.45	ng	-0.01
Target Compounds						
6) Aniline	6.12	93	5871918	679.234	ng	95
9) Benzaldehyde	6.12	77	71940	17.692	ng	# 1
10) Phenol	6.11	94	585255	71.822	ng	# 1
11) bis(2-Chloroethyl)ether	6.12	93	5871918	911.102	ng	# 24
17) 2-Methylphenol	6.82	107	340505	68.566	ng	# 33
19) n-Nitroso-di-n-propylamine	6.98	70	16698	3.693	ng	# 66
20) 3+4-Methylphenols	6.88	107	132640	20.450	ng	# 54
24) Nitrobenzene	6.99	77	86540	12.588	ng	# 48
25) Isophorone	6.98	82	126238	9.766	ng	# 67
33) 4-Chloroaniline	7.79	127	28472	3.833	ng	# 91
49) Dimethylphthalate	9.17	163	205393	14.393	ng	100
56) 2,4-Dinitrotoluene	9.43	165	23336	6.707	ng	# 34
76) Benzidine	12.24	184	25114	2.891	ng	# 89

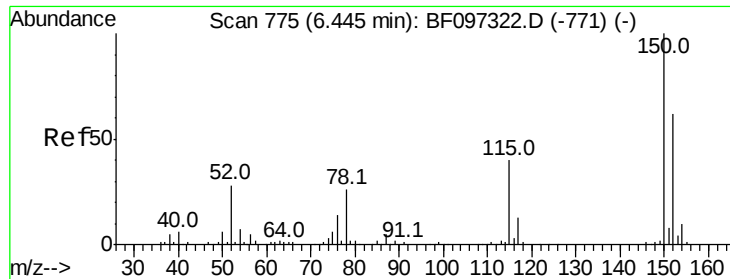
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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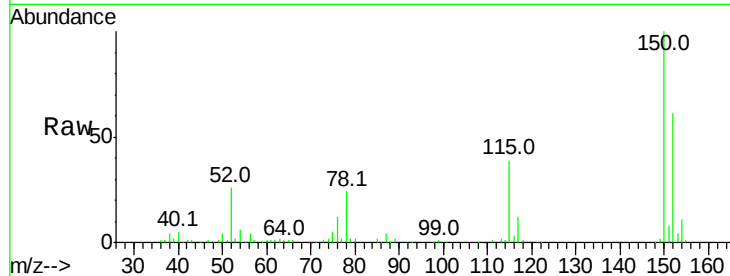


#1

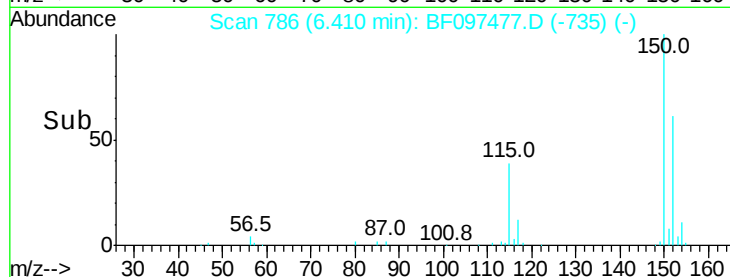
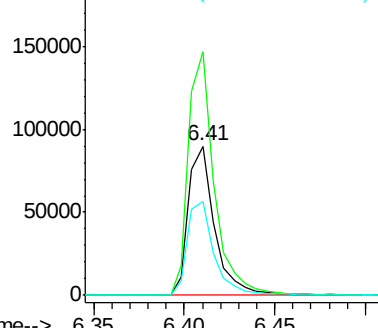
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
SV21074LM

Tot Ion:152 Resp: 90715
Ion Ratio Lower Upper
152 100
150 163.2 126.2 189.2
115 63.2 52.2 78.2



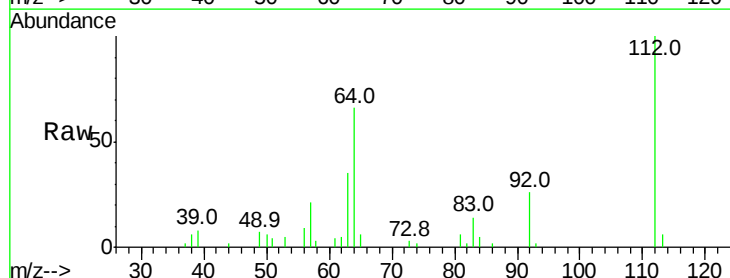
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



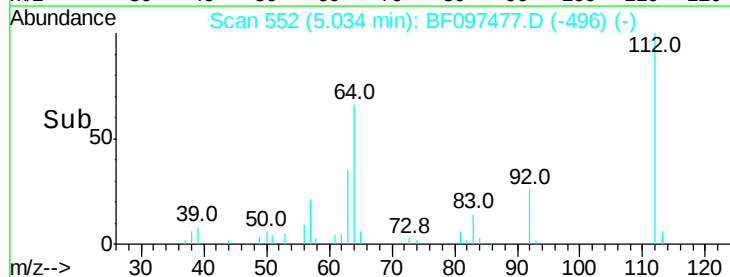
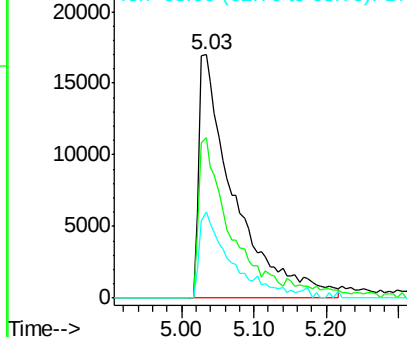
#5

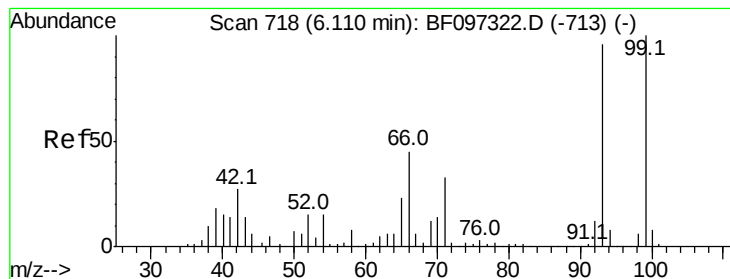
2-Fluorophenol
Concen: 9.584 ng
RT: 5.03 min Scan# 552
Delta R.T. 0.03 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion:112 Resp: 57674
Ion Ratio Lower Upper
112 100
64 65.9 46.0 69.0
63 35.3 23.4 35.0#



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





#6

Aniline

Concen: 679.234 ng

RT: 6.12 min Scan# 737

Delta R.T. 0.05 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

SV21074LM

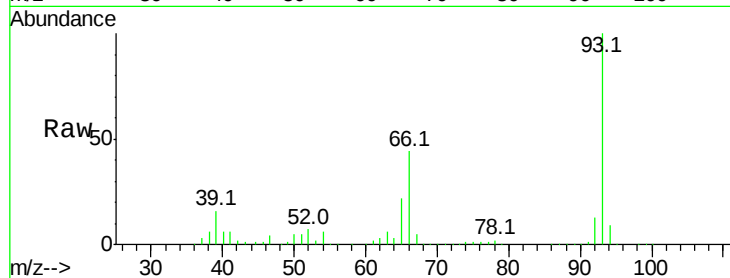
Tot Ion: 93 Resp: 5871918

Ion Ratio Lower Upper

93 100

66 44.5 32.9 49.3

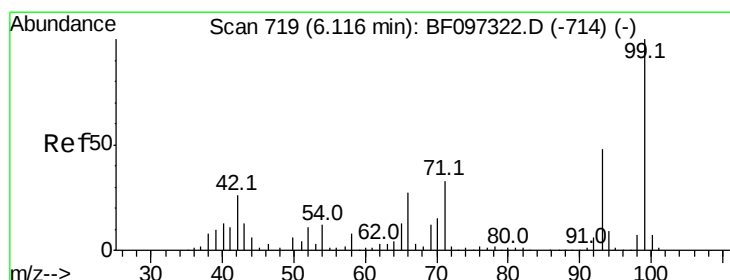
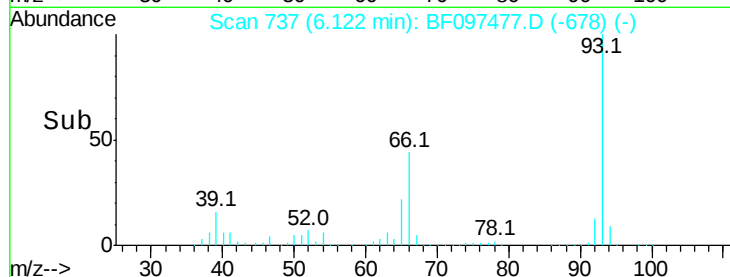
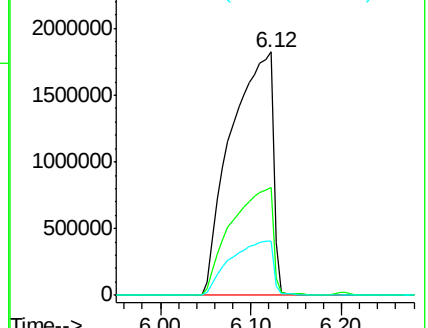
65 22.5 16.0 24.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 4.399 ng

RT: 6.10 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

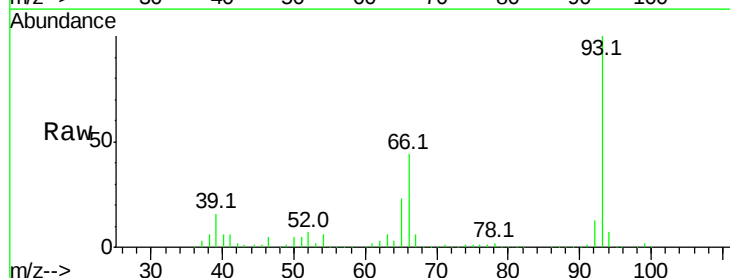
Tgt Ion: 99 Resp: 30223

Ion Ratio Lower Upper

99 100

42 95.2 13.5 20.3#

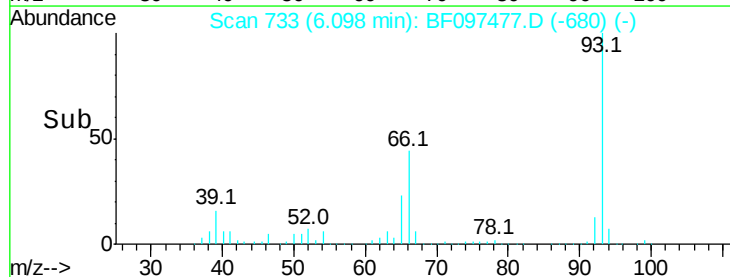
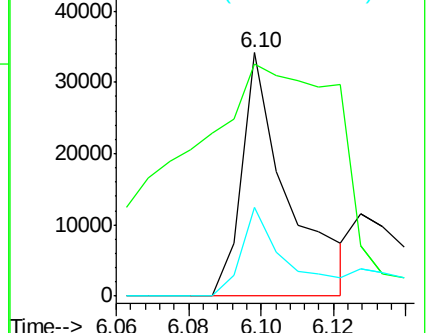
71 36.4 24.5 36.7

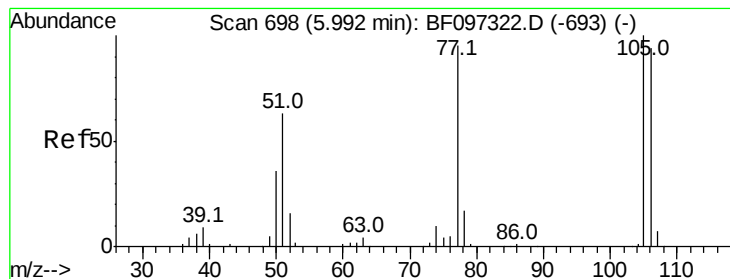


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 17.692 ng

RT: 6.12 min Scan# 737

Delta R.T. 0.16 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

SV21074LM

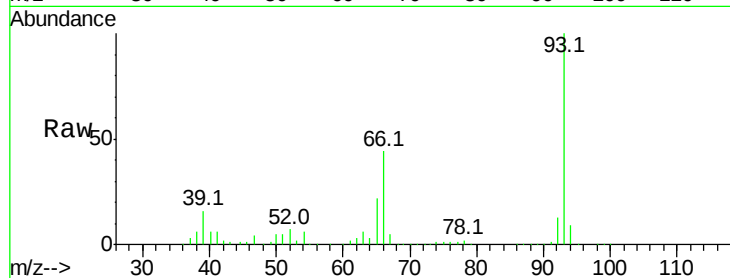
Tot Ion: 77 Resp: 71940

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

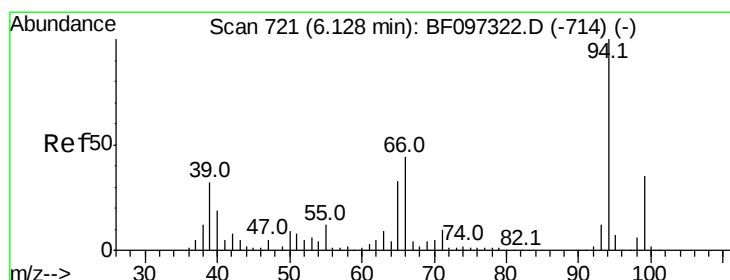
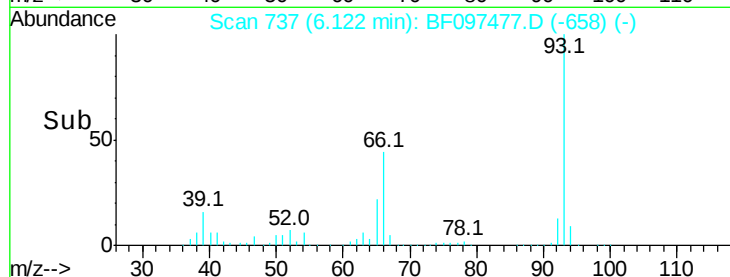
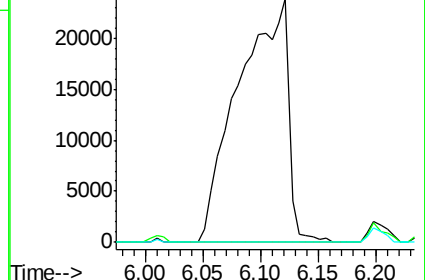
106 0.0 79.1 119.1#



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: 71.822 ng

RT: 6.11 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

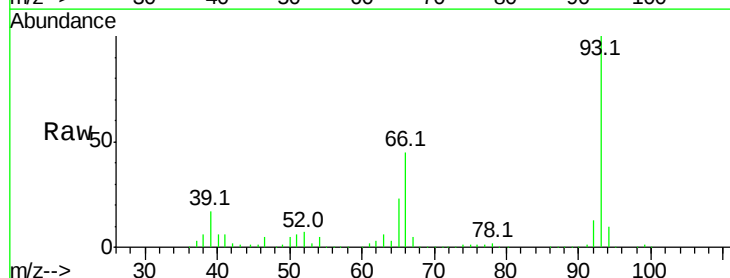
Tgt Ion: 94 Resp: 585255

Ion Ratio Lower Upper

94 100

65 227.3 9.9 49.9#

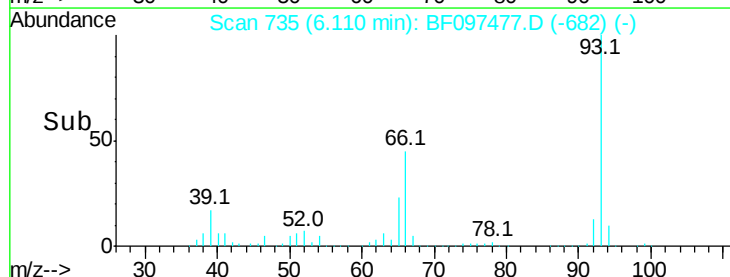
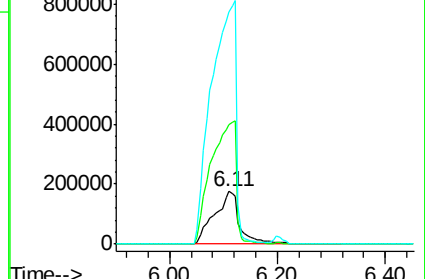
66 442.7 23.1 63.1#

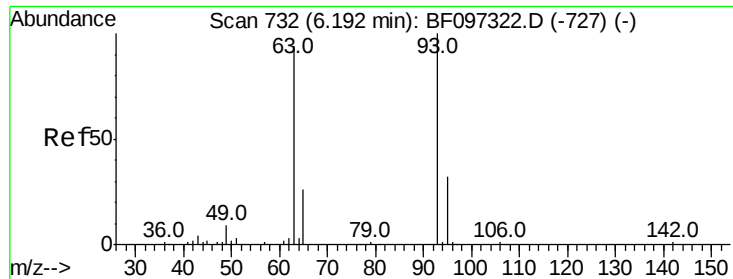


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 911.102 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.04 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

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SV21074LM

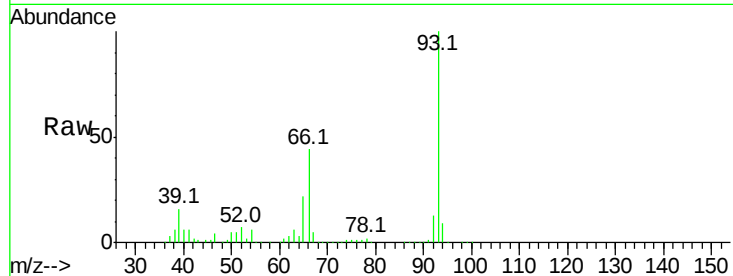
Tot Ion: 93 Resp: 5871918

Ion Ratio Lower Upper

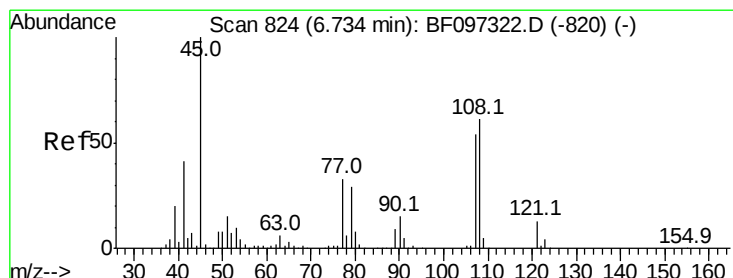
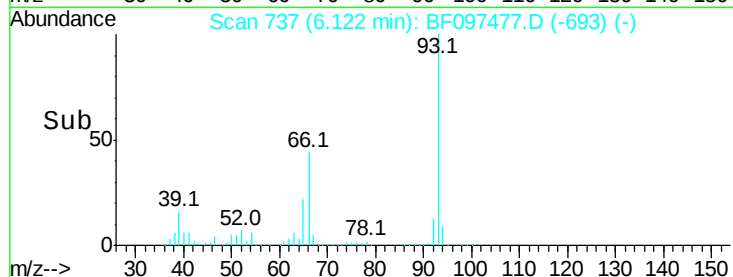
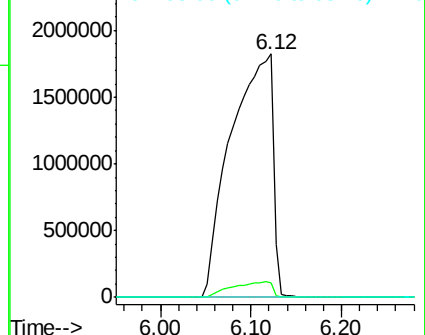
93 100

63 6.2 59.2 99.2#

95 0.3 12.8 52.8#



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



#17

2-Methylphenol

Concen: 68.566 ng

RT: 6.82 min Scan# 855

Delta R.T. 0.11 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Tgt Ion:107 Resp: 340505

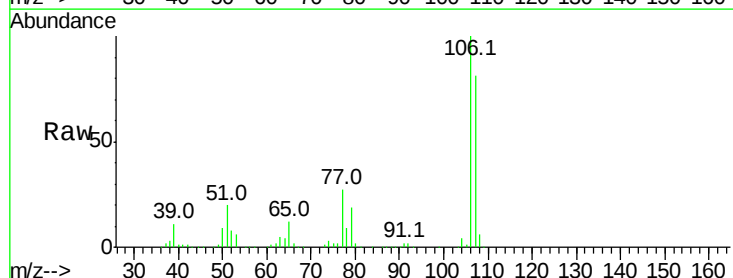
Ion Ratio Lower Upper

107 100

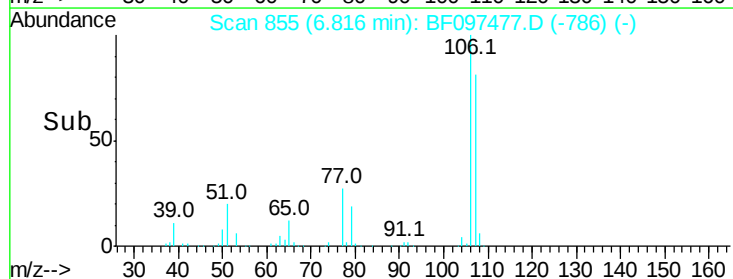
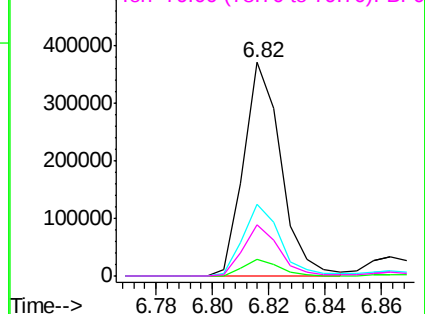
108 7.6 93.4 140.0#

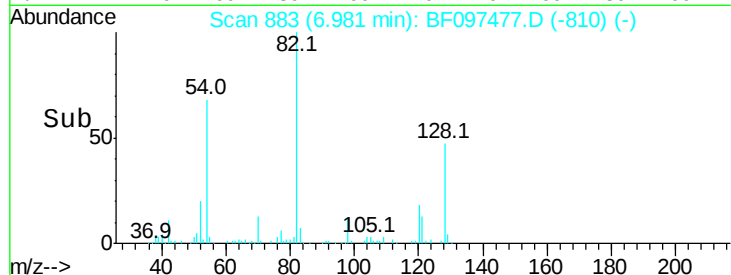
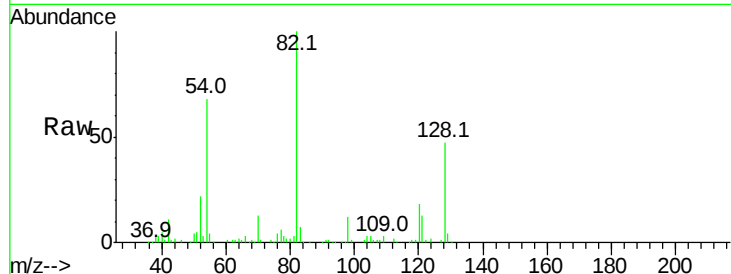
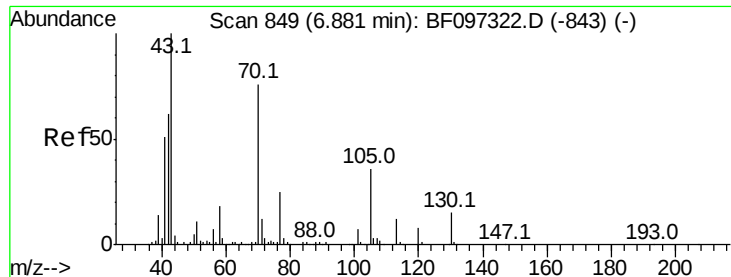
77 33.9 35.8 53.6#

79 23.9 34.8 52.2#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

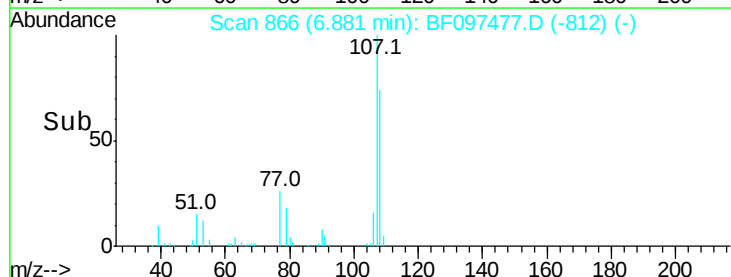
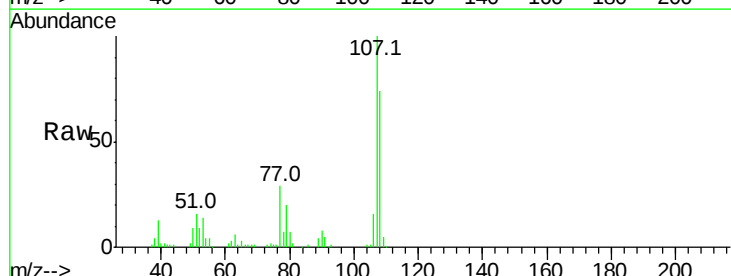
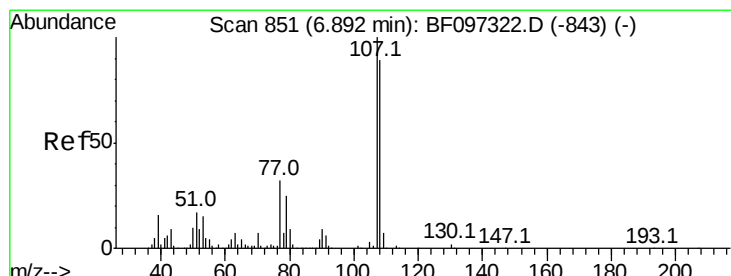
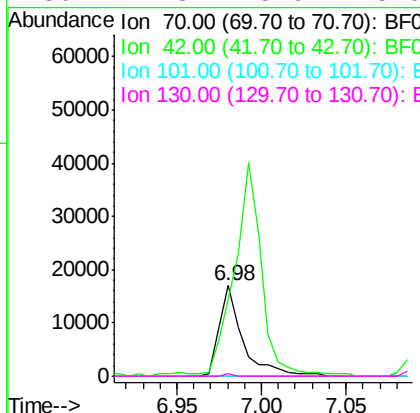




#19
n-Nitroso-di-n-propylamine
Concen: 3.693 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

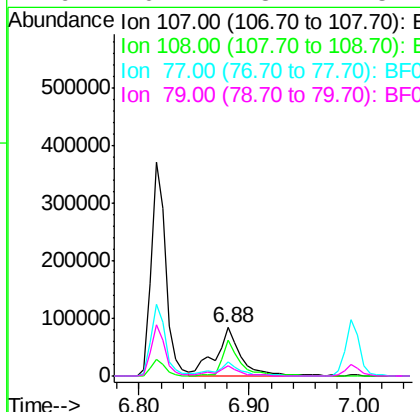
Instrument :
BNA_F
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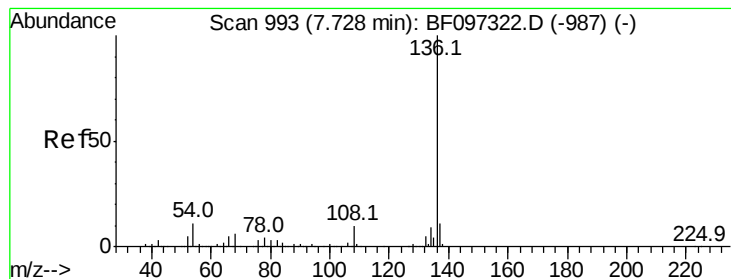
Tot Ion: 70 Resp: 16698
Ion Ratio Lower Upper
70 100
42 84.4 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#20
3+4-Methylphenols
Concen: 20.450 ng
RT: 6.88 min Scan# 866
Delta R.T. 0.02 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion:107 Resp: 132640
Ion Ratio Lower Upper
107 100
108 74.1 71.0 111.0
77 29.2 90.5 130.5#
79 20.1 8.4 48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.69 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

SV21074LM

Tot Ion:136 Resp: 387231

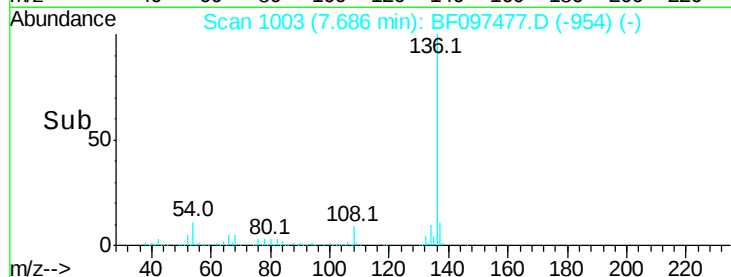
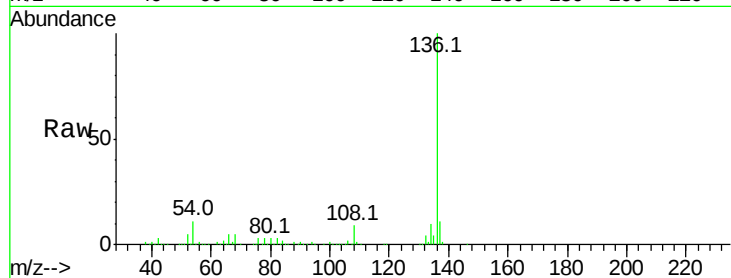
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.5 4.9 7.3#

68 5.1 4.1 6.1

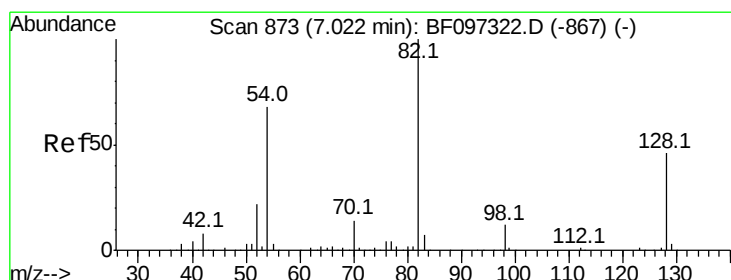
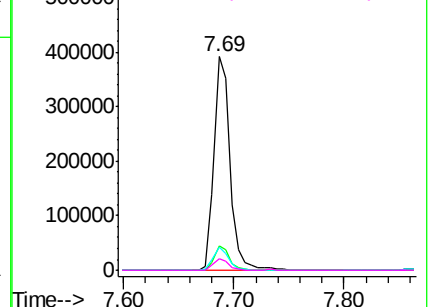


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 19.125 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

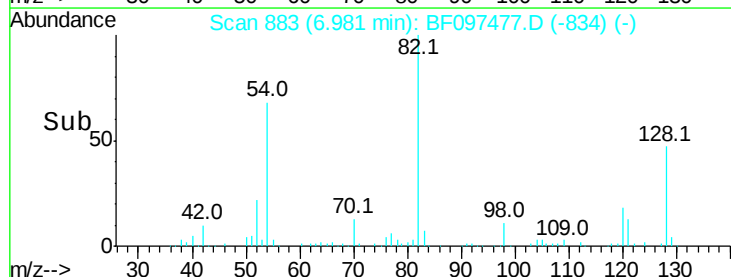
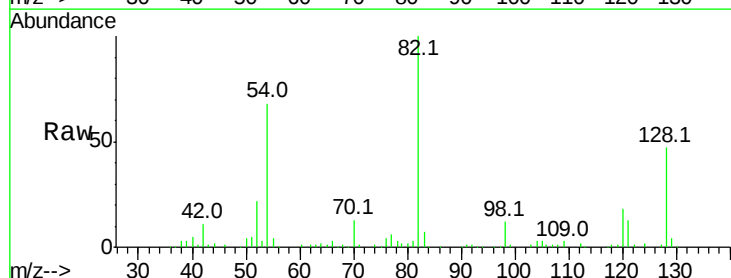
Tgt Ion: 82 Resp: 126238

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

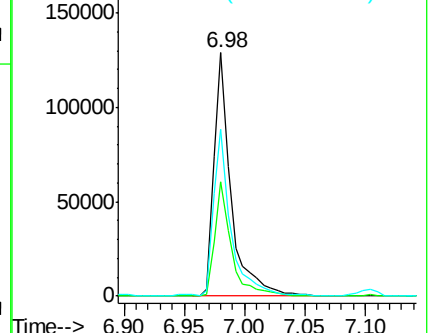
54 68.3 42.2 63.2#

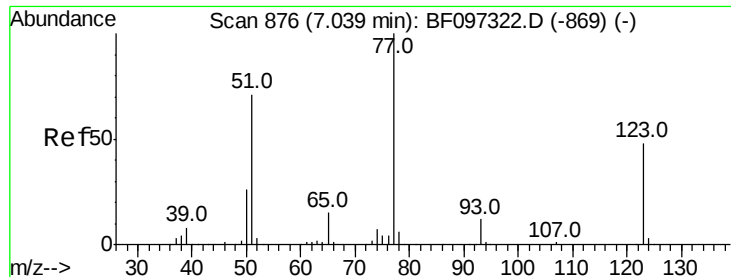


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

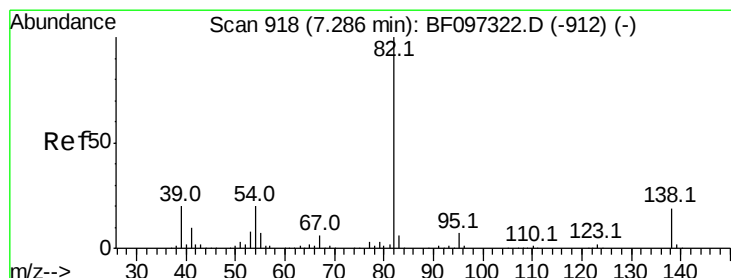
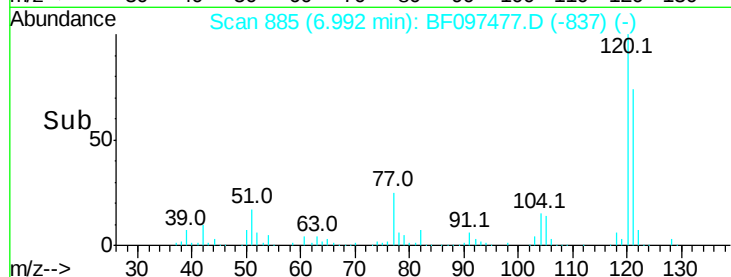
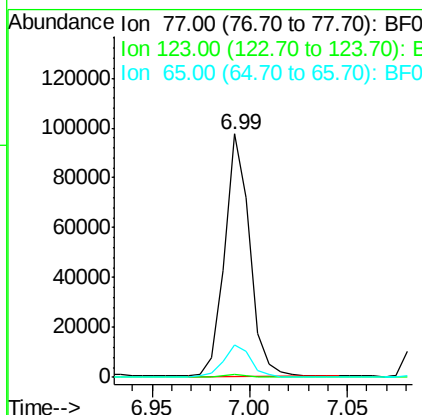
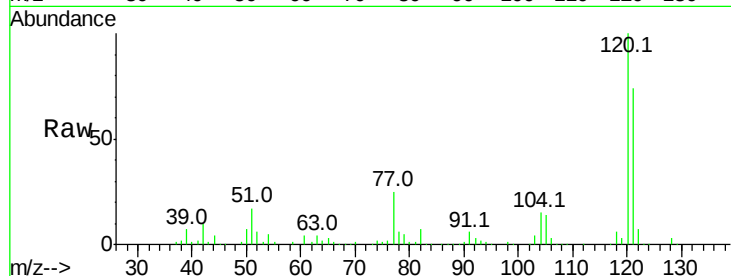




#24
Nitrobenzene
Concen: 12.588 ng
RT: 6.99 min Scan# 885
Delta R.T. -0.02 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

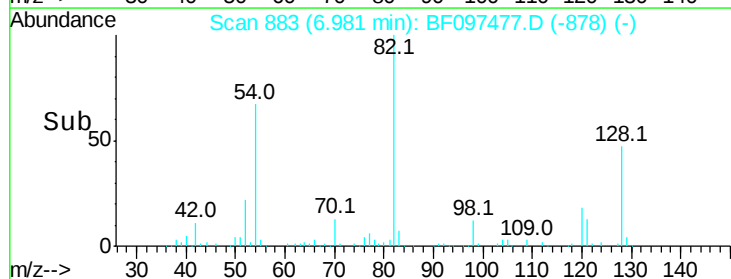
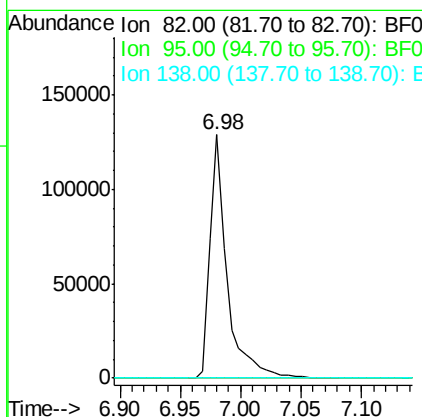
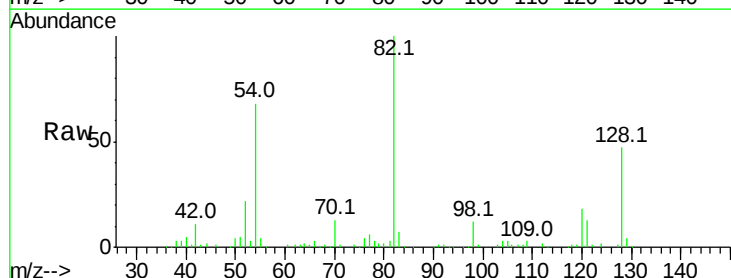
Instrument :
BNA_F
ClientSampleId :
SV21074LM

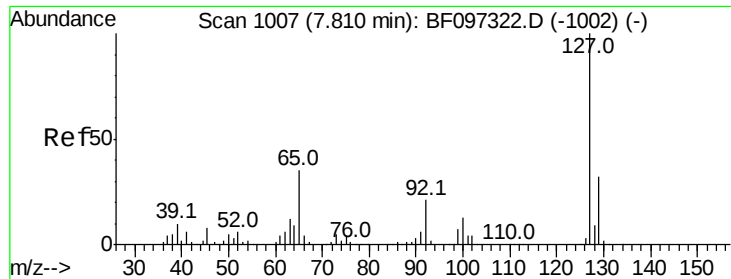
Tot Ion: 77 Resp: 86540
Ion Ratio Lower Upper
77 100
123 1.0 35.8 53.8#
65 13.4 10.6 15.8



#25
Isophorone
Concen: 9.766 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.27 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion: 82 Resp: 126238
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

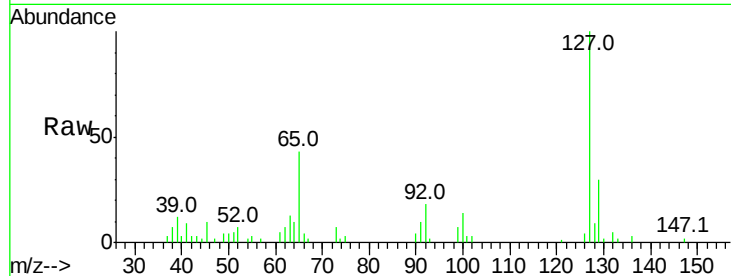




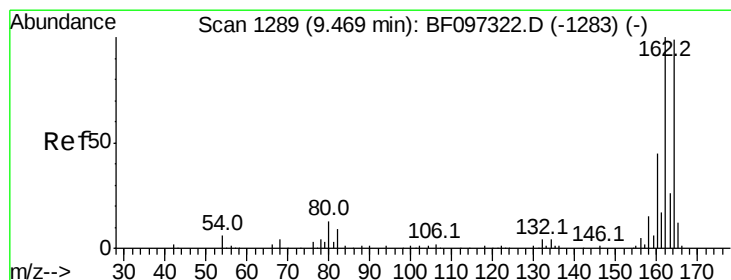
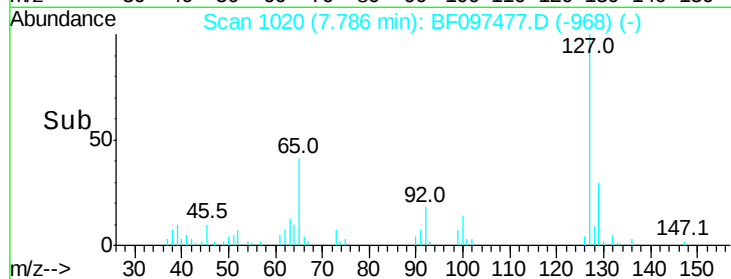
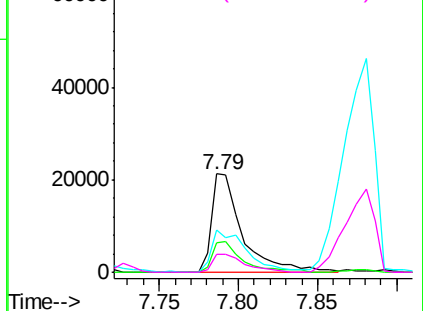
#33
4-Chloroaniline
Concen: 3.833 ng
RT: 7.79 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
SV21074LM

Tot Ion:	127	Resp:	28472
Ion	Ratio	Lower	Upper
127	100		
129	30.2	26.2	39.2
65	42.8	27.8	41.8#
92	18.1	16.8	25.2

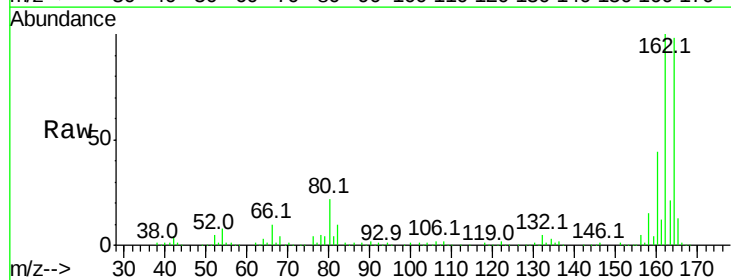


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

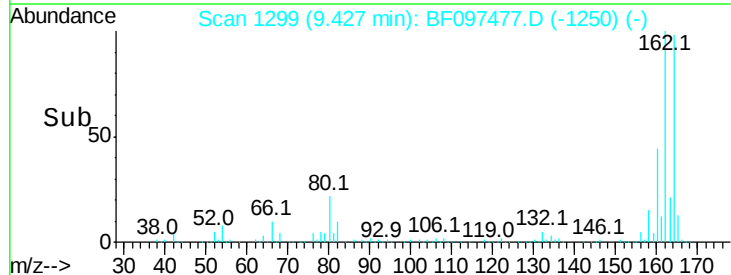
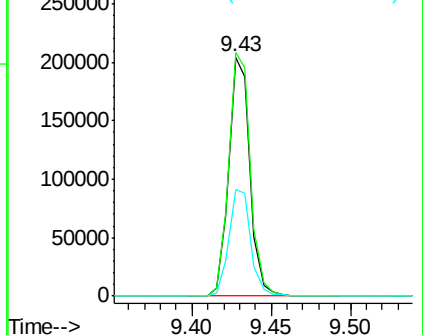


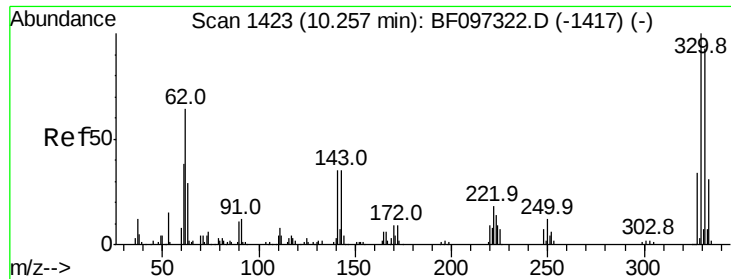
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion:	164	Resp:	187918
Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	44.6	36.2	54.2



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

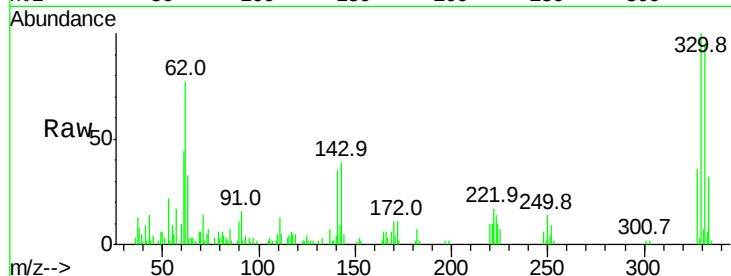




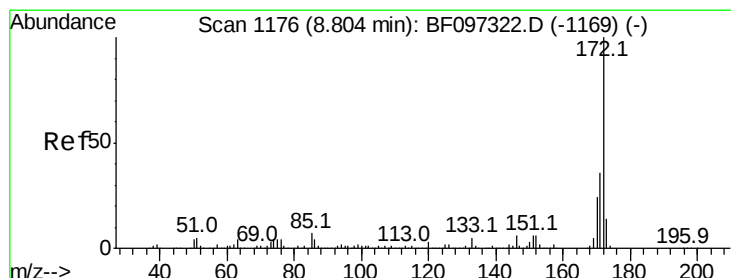
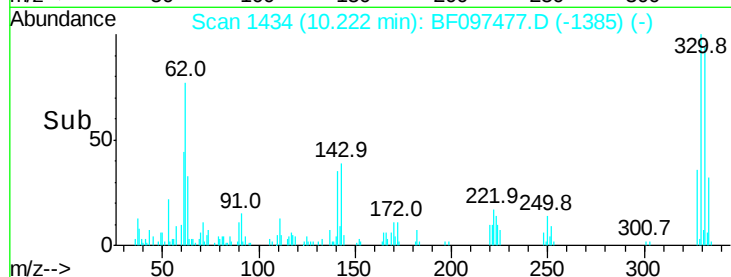
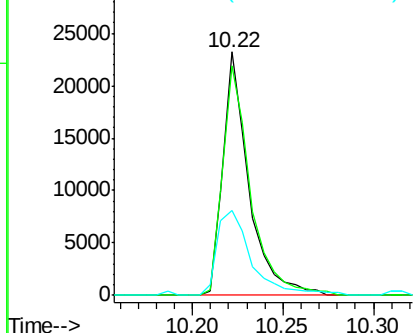
#41
 2,4,6-Tribromophenol
 Concen: 15.630 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SV21074LM

Tot Ion:330 Resp: 23207
 Ion Ratio Lower Upper
 330 100
 332 101.0 76.6 115.0
 141 46.4 31.4 47.2

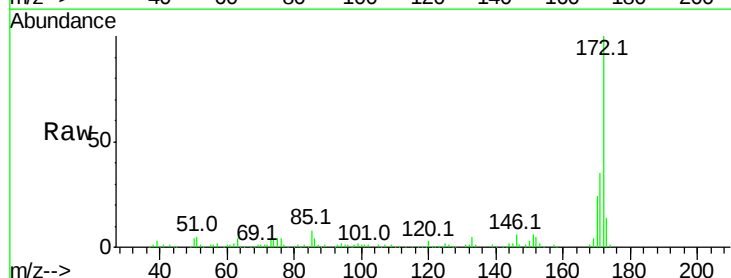


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

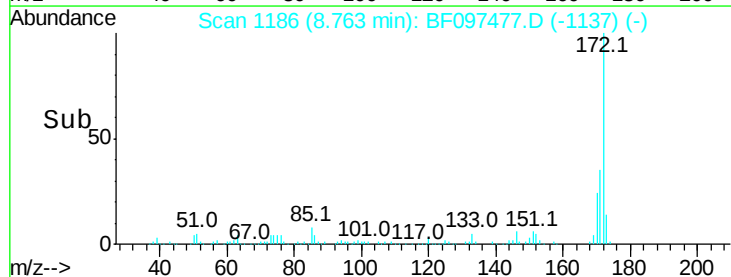
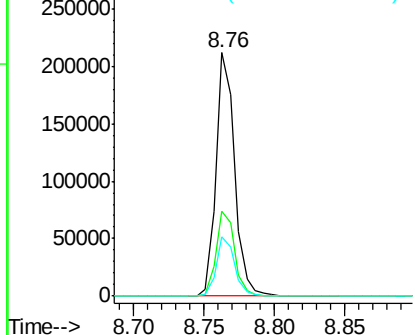


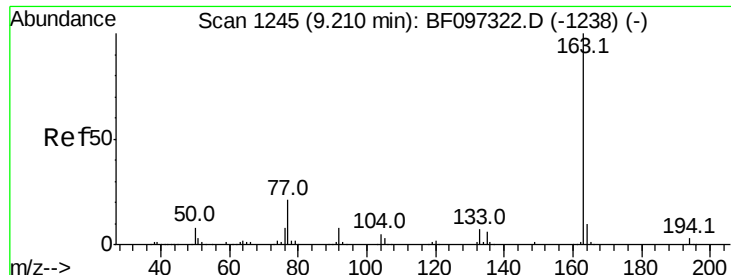
#44
 2-Fluorobiphenyl
 Concen: 17.502 ng
 RT: 8.76 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097477.D
 Acq: 8 Aug 2017 19:20

Tgt Ion:172 Resp: 193802
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 24.5 19.8 29.8



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

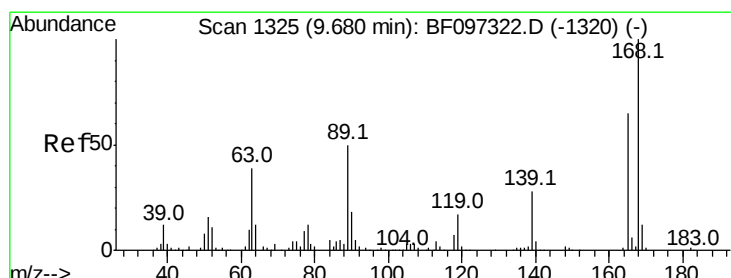
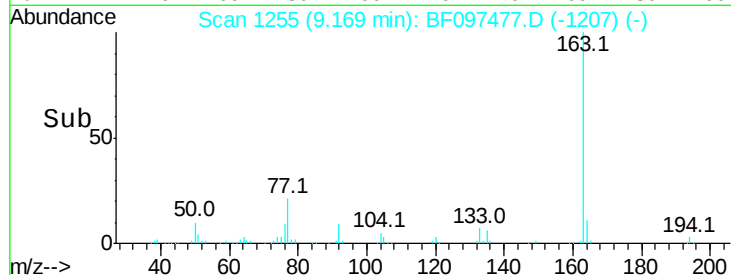
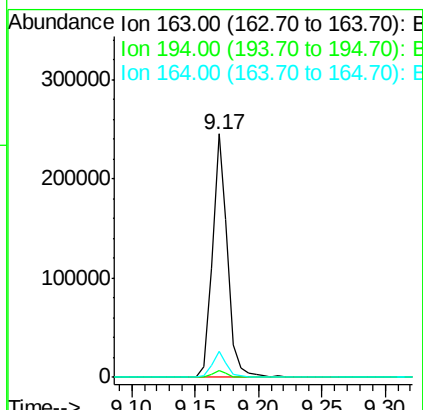
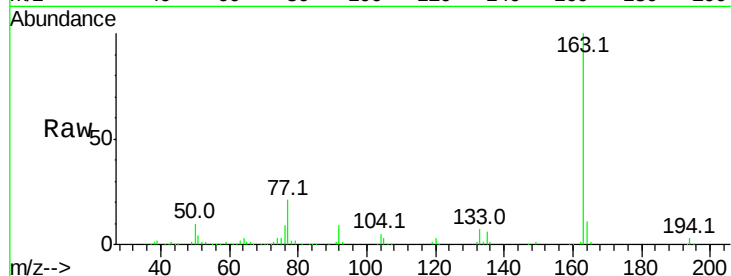




#49
Dimethylphthalate
Concen: 14.393 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

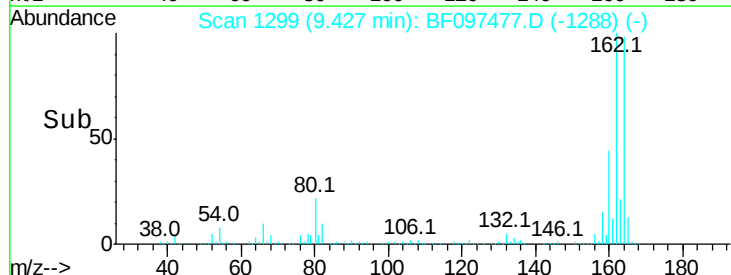
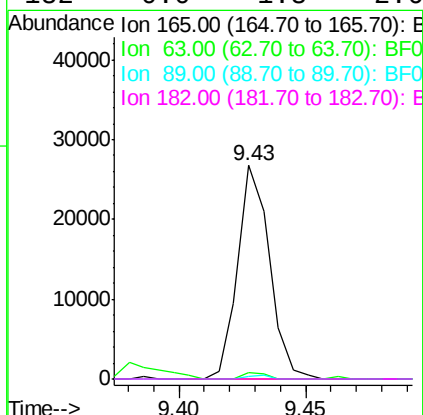
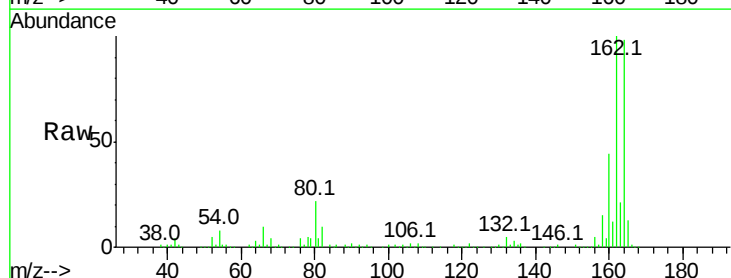
Instrument :
BNA_F
ClientSampleId :
SV21074LM

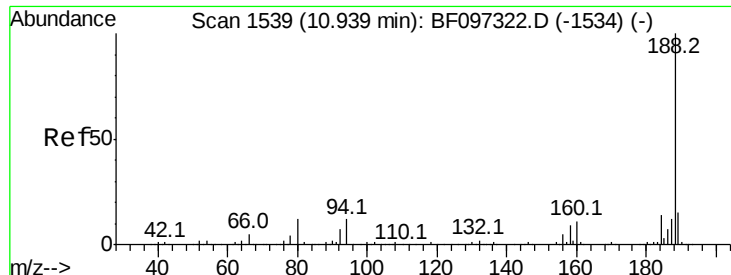
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.6	8.4	12.6



#56
2,4-Dinitrotoluene
Concen: 6.707 ng
RT: 9.43 min Scan# 1299
Delta R.T. -0.24 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.90 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

SV21074LM

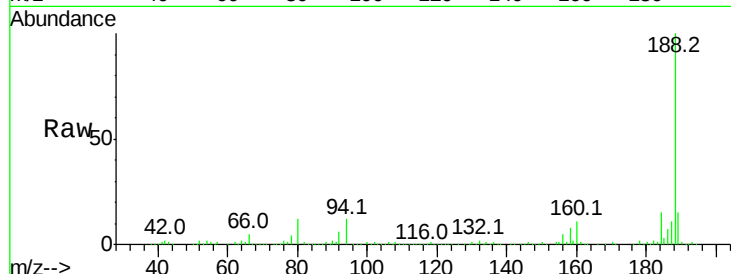
Tot Ion:188 Resp: 313181

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

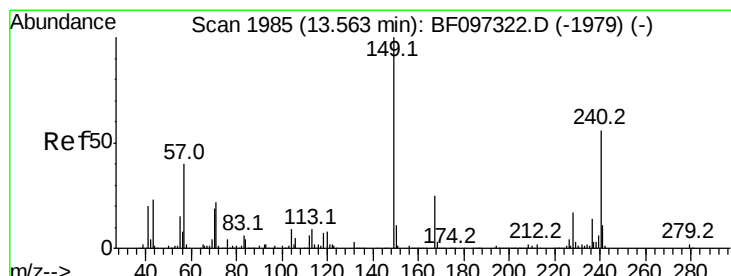
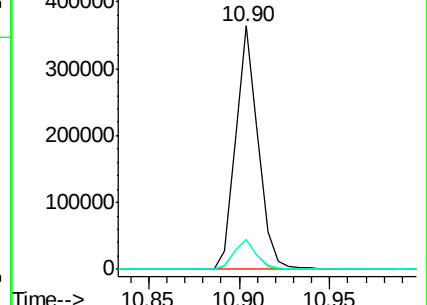
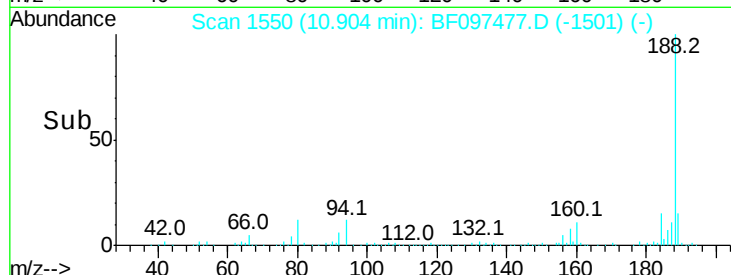
80 12.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

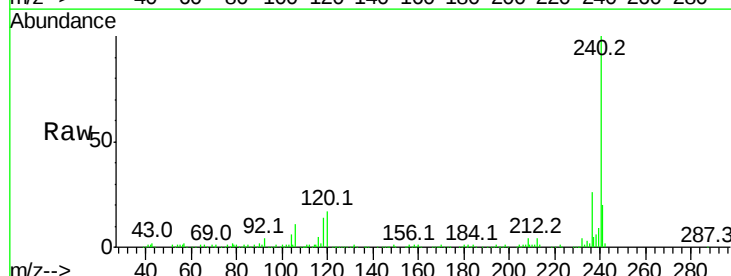
Tgt Ion:240 Resp: 234150

Ion Ratio Lower Upper

240 100

120 16.8 5.8 8.8#

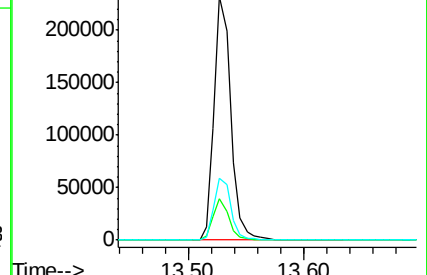
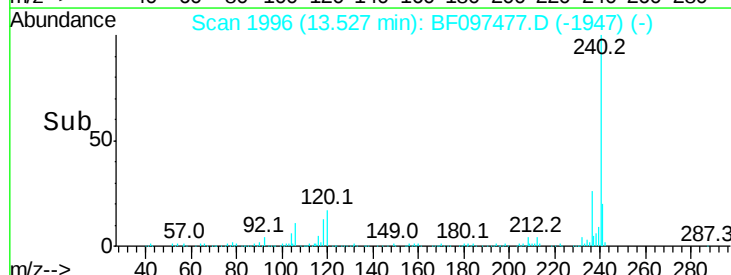
236 25.6 20.5 30.7

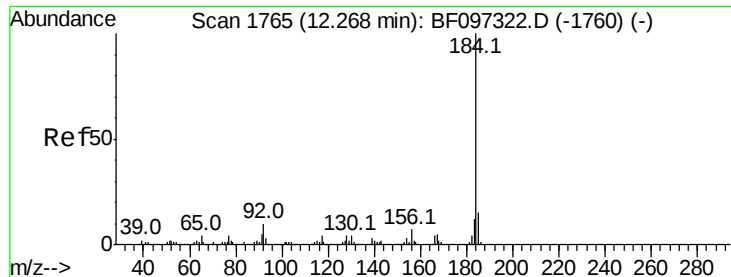


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.891 ng

RT: 12.24 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

SV21074LM

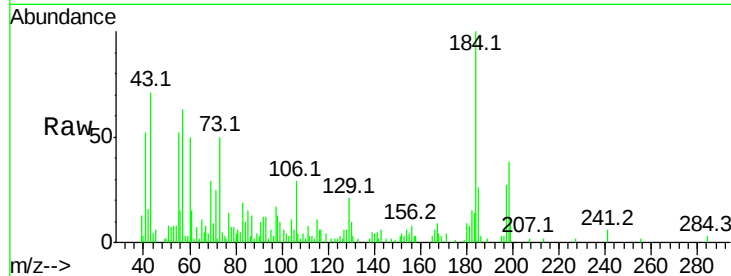
Tot Ion:184 Resp: 25114

Ion Ratio Lower Upper

184 100

185 26.0 15.5 23.3#

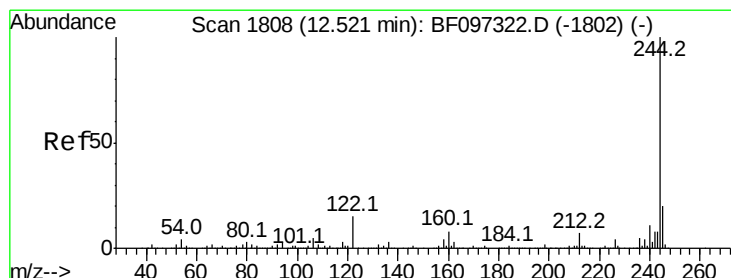
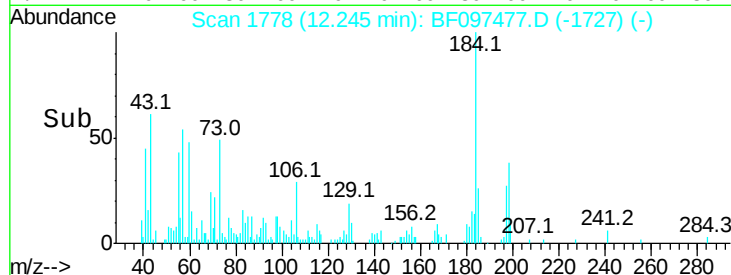
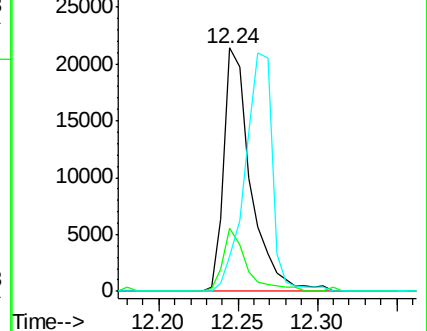
183 14.3 9.8 14.6



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



#78

Terphenyl-d14

Concen: 8.452 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF097477.D

Acq: 8 Aug 2017 19:20

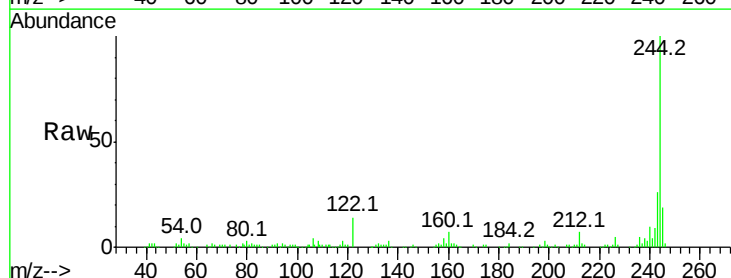
Tgt Ion:244 Resp: 97066

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

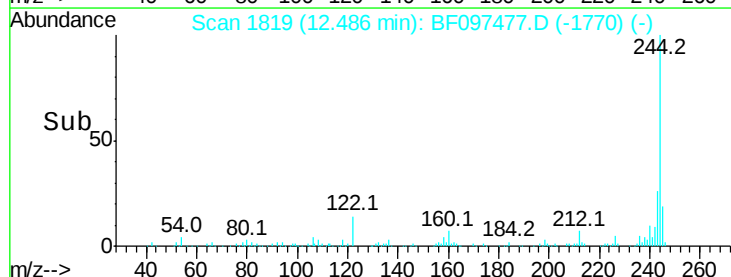
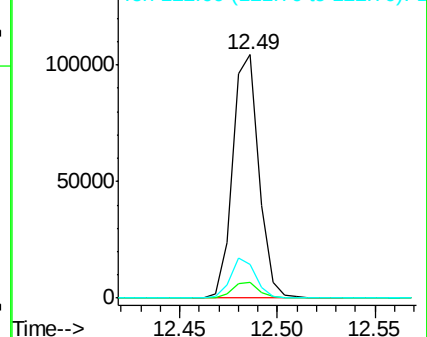
122 13.7 10.3 15.5

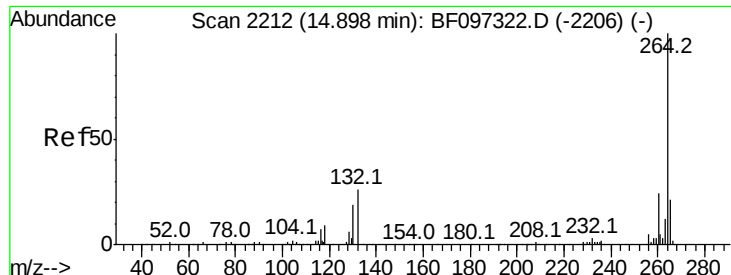


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

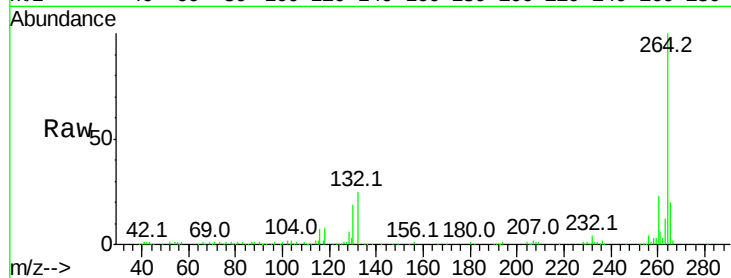




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF097477.D
Acq: 8 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
SV21074LM

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.4	17.2	25.8



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

