

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111315\
 Data File : BF082903.D
 Acq On : 13 Nov 2015 18:01
 Operator : UM/IZ
 Sample : G4403-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS1122015

Quant Time: Nov 13 22:23:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

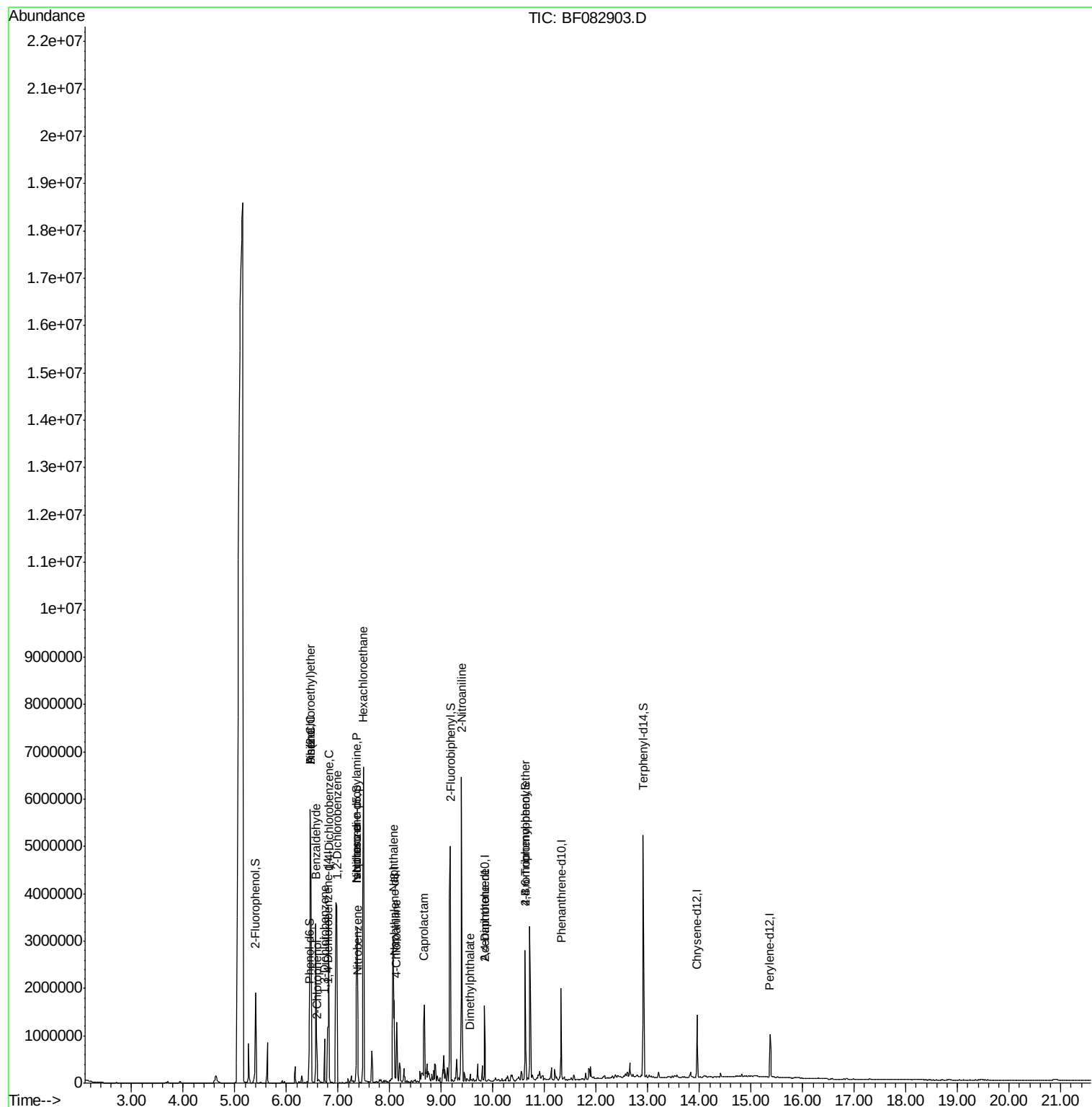
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	181373	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	725673	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	347356	20.00	ng	-0.06
63) Phenanthrene-d10	11.32	188	677397	20.00	ng	-0.06
75) Chrysene-d12	13.95	240	538729	20.00	ng	-0.07
86) Perylene-d12	15.37	264	447658	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	463324	39.75	ng	-0.05
7) Phenol-d6	6.44	99	393771	25.41	ng	-0.03
23) Nitrobenzene-d5	7.37	82	1349108	80.89	ng	-0.04
41) 2,4,6-Tribromophenol	10.62	330	299607	75.23	ng	-0.06
44) 2-Fluorobiphenyl	9.17	172	2152479	88.81	ng	-0.05
78) Terphenyl-d14	12.91	244	1895726	83.46	ng	-0.06
Target Compounds						Qvalue
6) Aniline	6.46	93	3473649	159.65	ng	98
8) 2-Chlorophenol	6.59	128	149914	11.60	ng	93
9) Benzaldehyde	6.57	77	23631	2.76	ng	86
10) Phenol	6.46	94	278221	15.82	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	3473649	264.17	ng	# 18
12) 1,3-Dichlorobenzene	6.74	146	167733	11.51	ng	# 86
13) 1,4-Dichlorobenzene	6.82	146	753532	49.69	ng	95
14) 1,2-Dichlorobenzene	6.98	146	1046637	75.90	ng	96
18) Hexachloroethane	7.49	117	58317	10.75	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	182144	15.99	ng	# 65
24) Nitrobenzene	7.38	77	363942	21.34	ng	89
25) Isophorone	7.37	82	1270655	41.18	ng	# 69
31) Naphthalene	8.06	128	1059536	26.46	ng	# 77
33) 4-Chloroaniline	8.13	127	299228	17.34	ng	95
35) Caprolactam	8.67	113	91205	25.02	ng	# 1
47) 2-Nitroaniline	9.39	65	125226	14.52	ng	# 26
49) Dimethylphthalate	9.56	163	59269	2.08	ng	98
56) 2,4-Dinitrotoluene	9.84	165	47220	5.73	ng	# 16
66) 4-Bromophenyl-phenylether	10.62	248	19537	2.40	ng	# 1

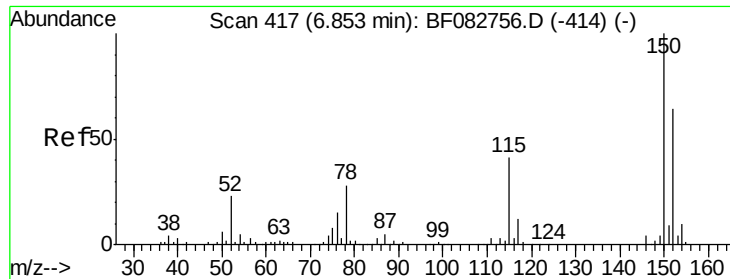
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015

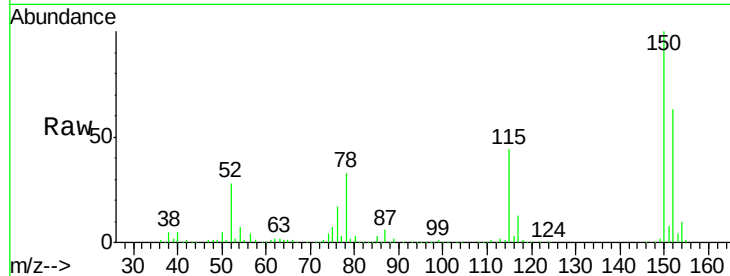
Tgt Ion:152 Resp: 181373

Ion Ratio Lower Upper

152 100

150 157.7 127.0 190.4

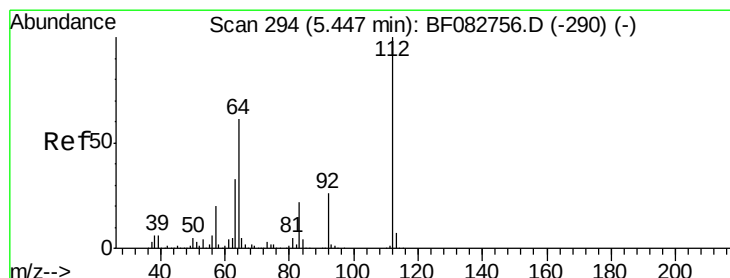
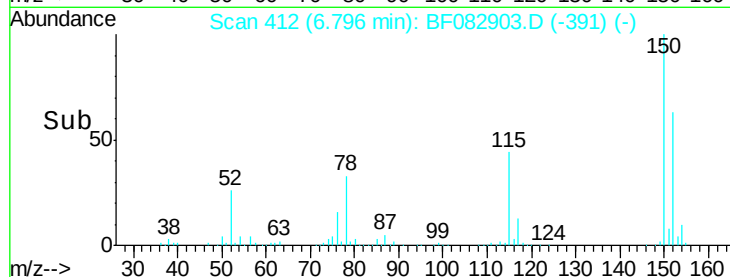
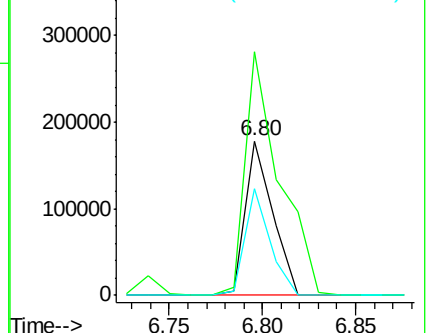
115 69.2 47.0 70.6



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: 39.75 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

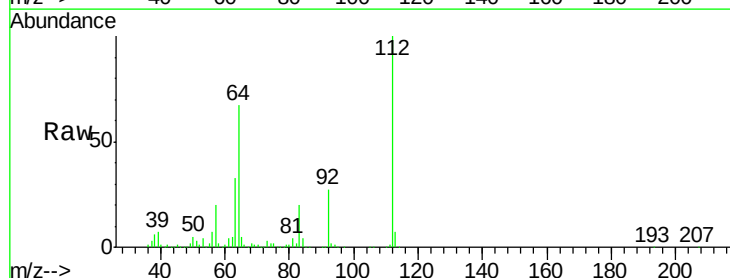
Tgt Ion:112 Resp: 463324

Ion Ratio Lower Upper

112 100

64 66.8 48.9 73.3

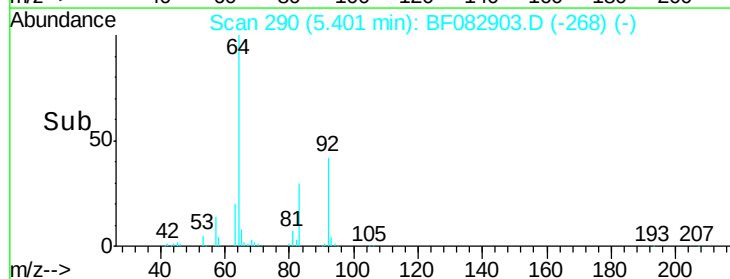
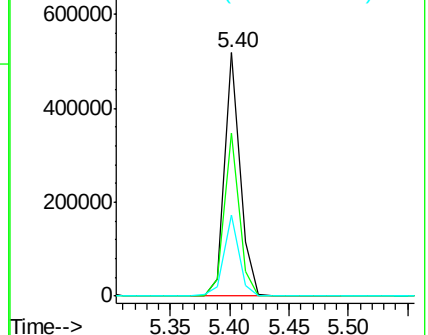
63 33.3 28.1 42.1

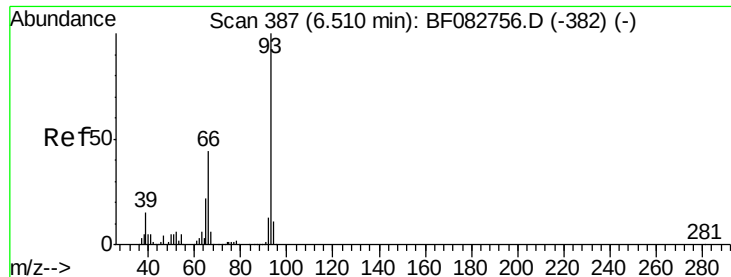


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 159.65 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

Instrument :

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SYSDIS1122015

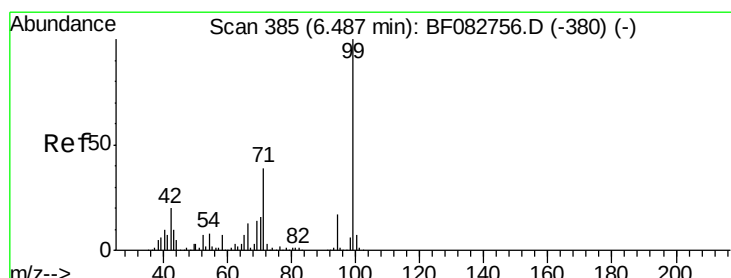
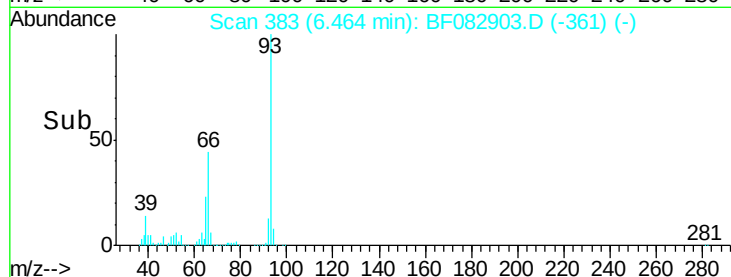
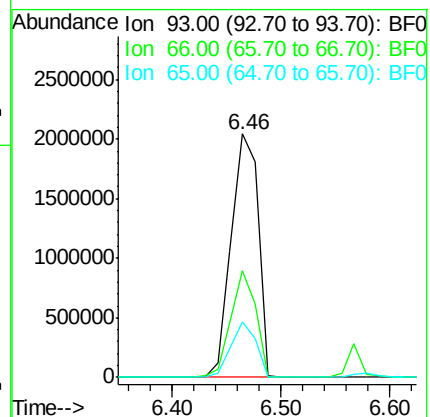
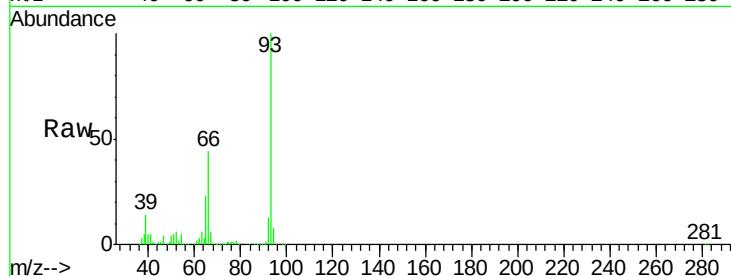
Tgt Ion: 93 Resp: 3473649

Ion Ratio Lower Upper

93 100

66 43.6 33.6 50.4

65 23.0 18.1 27.1



#7

Phenol-d6

Concen: 25.41 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

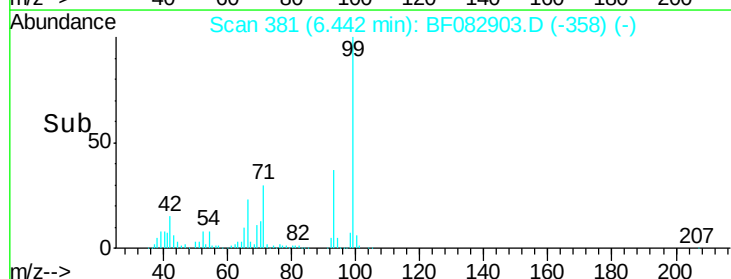
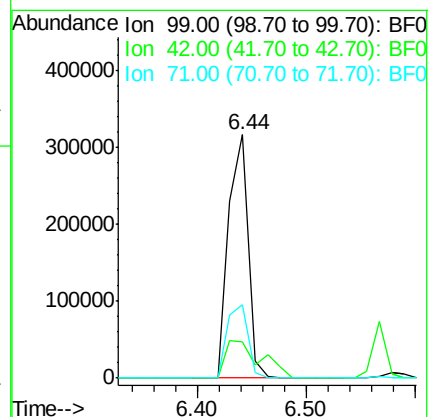
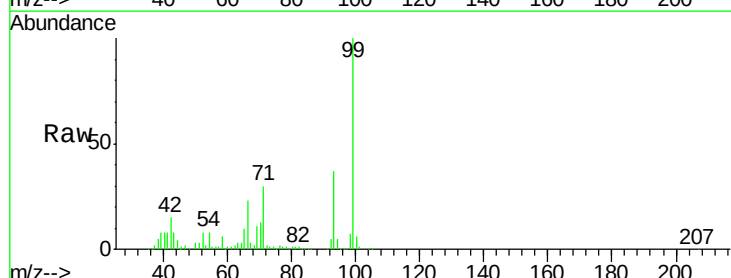
Tgt Ion: 99 Resp: 393771

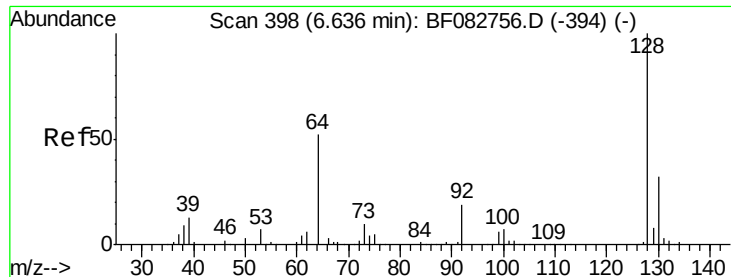
Ion Ratio Lower Upper

99 100

42 15.0 19.2 28.8#

71 30.0 35.0 52.4#





#8

2-Chlorophenol

Concen: 11.60 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.05 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015

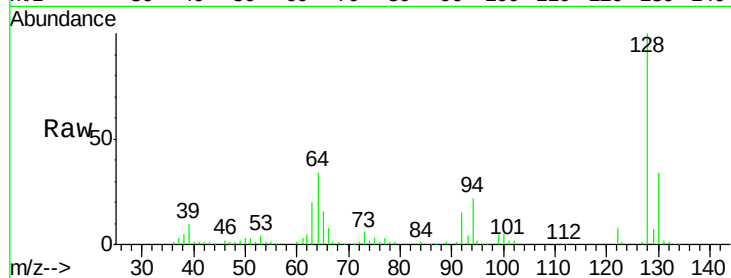
Tgt Ion:128 Resp: 149914

Ion Ratio Lower Upper

128 100

130 33.8 13.5 53.5

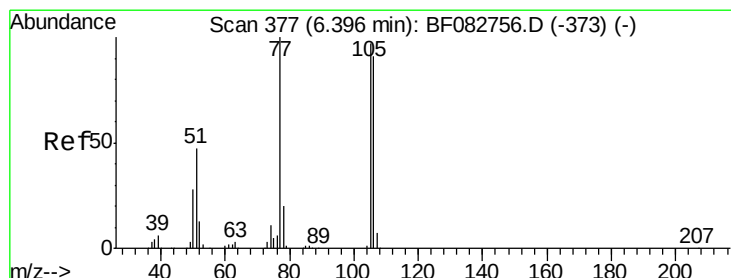
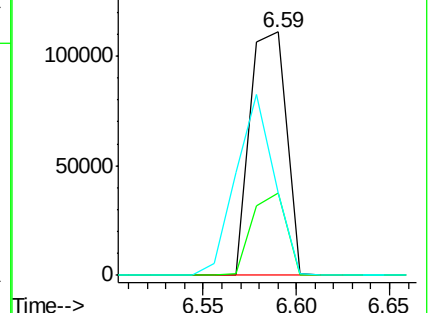
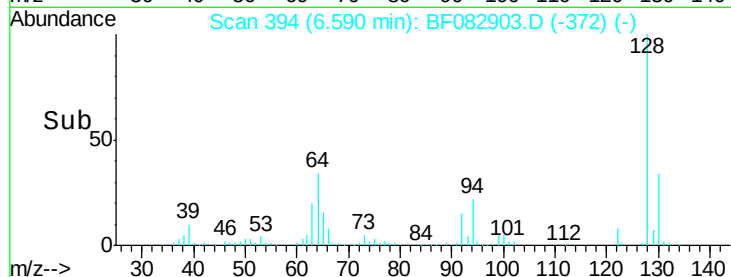
64 33.9 21.1 61.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.17 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

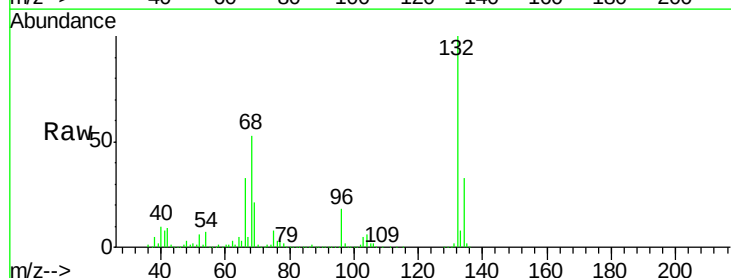
Tgt Ion: 77 Resp: 23631

Ion Ratio Lower Upper

77 100

105 73.5 63.5 103.5

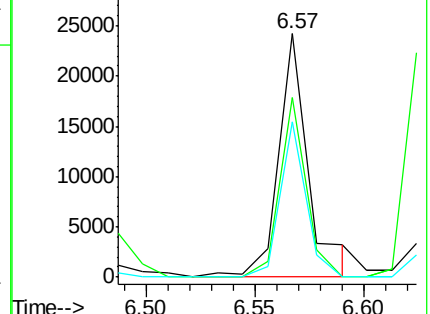
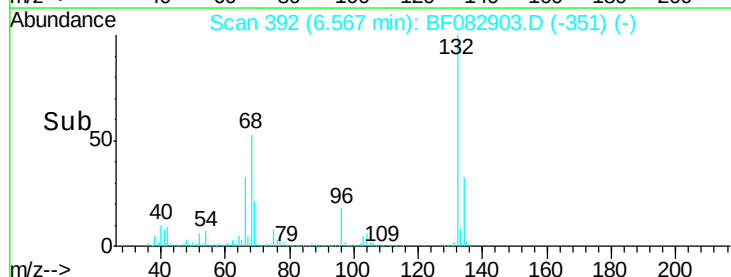
106 63.6 59.3 99.3

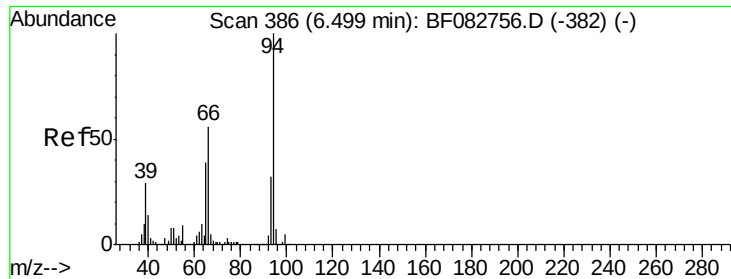


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 15.82 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

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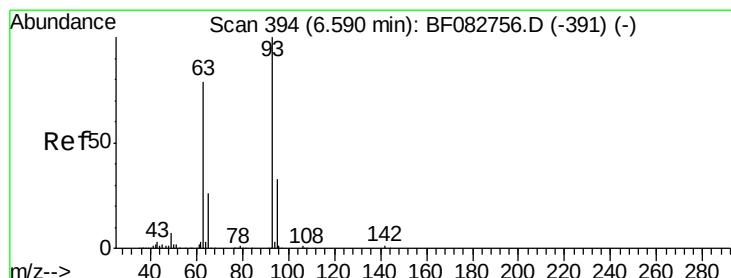
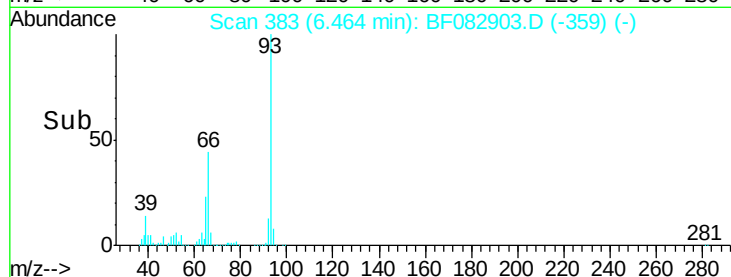
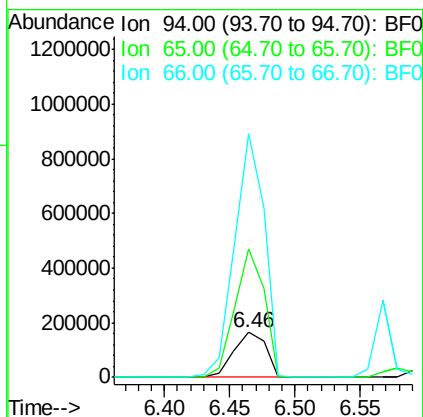
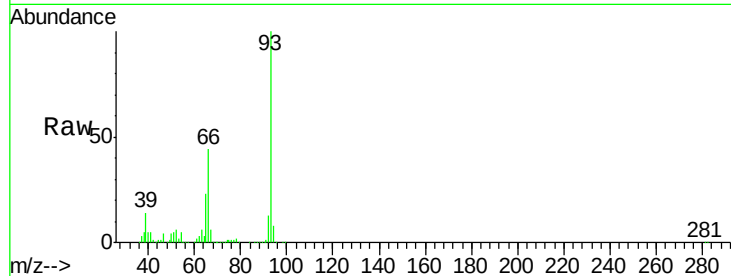
Tgt Ion: 94 Resp: 278221

Ion Ratio Lower Upper

94 100

65 287.1 18.9 58.9#

66 543.8 34.9 74.9#



#11

bis(2-Chloroethyl)ether

Concen: 264.17 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.13 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

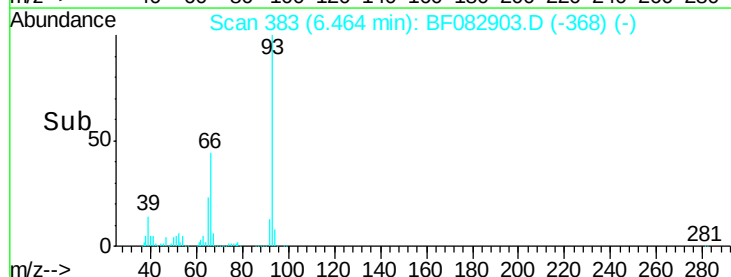
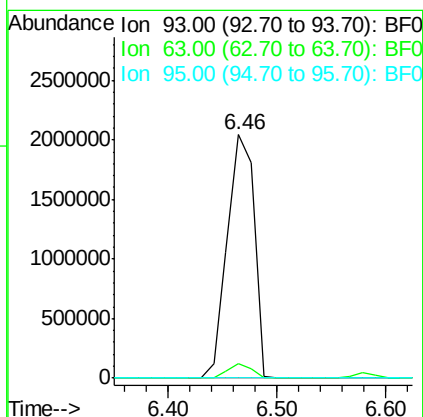
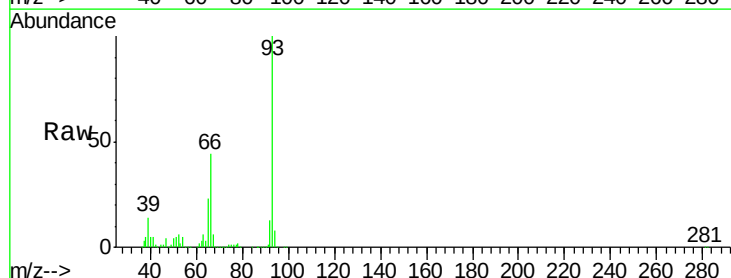
Tgt Ion: 93 Resp: 3473649

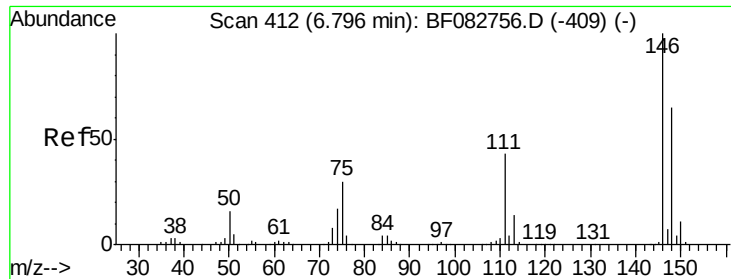
Ion Ratio Lower Upper

93 100

63 5.8 72.7 112.7#

95 0.3 12.0 52.0#

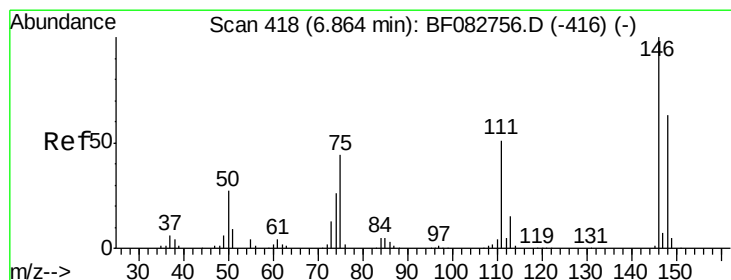
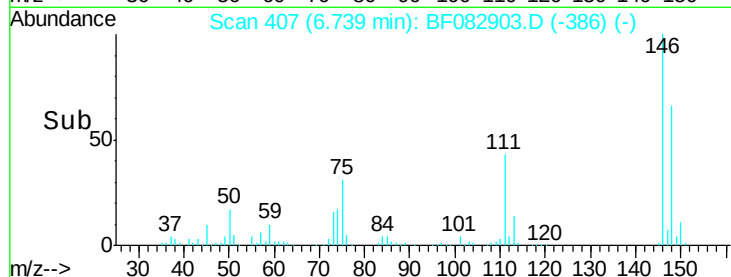
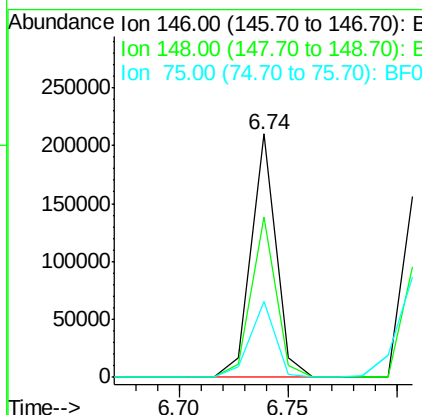
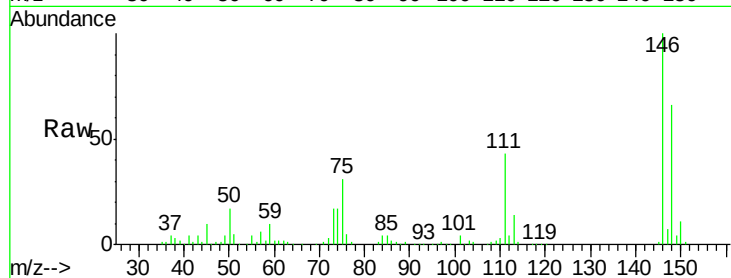




#12
 1,3-Dichlorobenzene
 Concen: 11.51 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.06 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

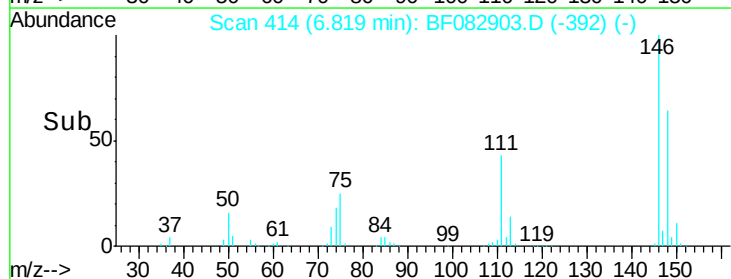
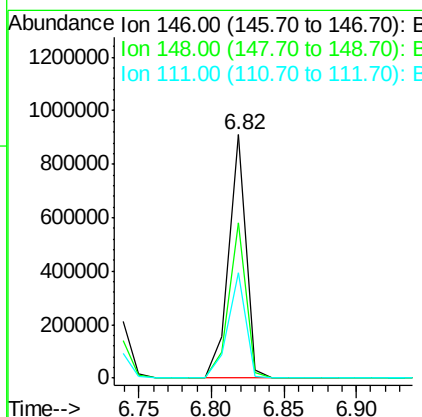
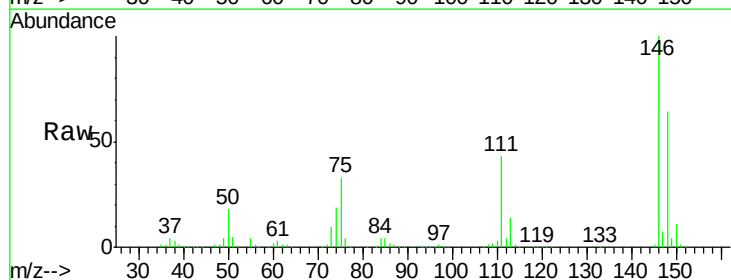
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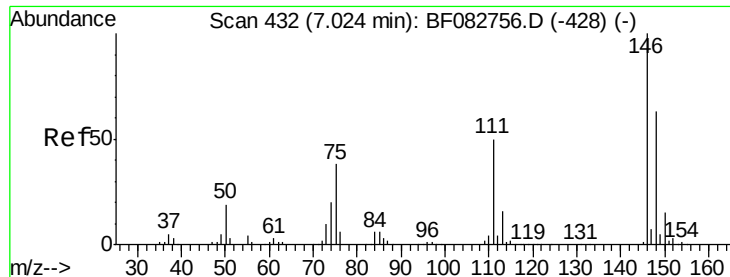
Tgt Ion:146 Resp: 167733
 Ion Ratio Lower Upper
 146 100
 148 65.8 50.5 75.7
 75 31.2 39.5 59.3#



#13
 1,4-Dichlorobenzene
 Concen: 49.69 ng
 RT: 6.82 min Scan# 414
 Delta R.T. -0.05 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

Tgt Ion:146 Resp: 753532
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.8 76.2
 111 43.1 40.6 60.8

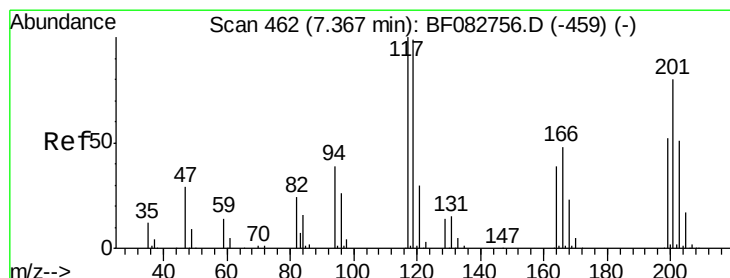
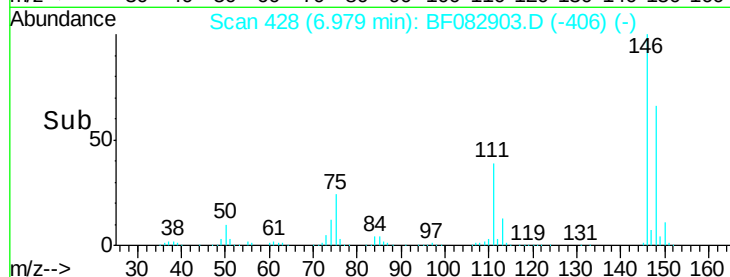
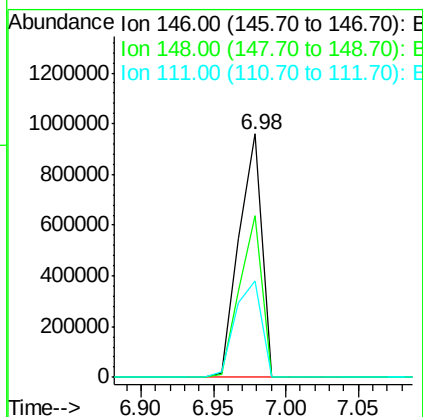
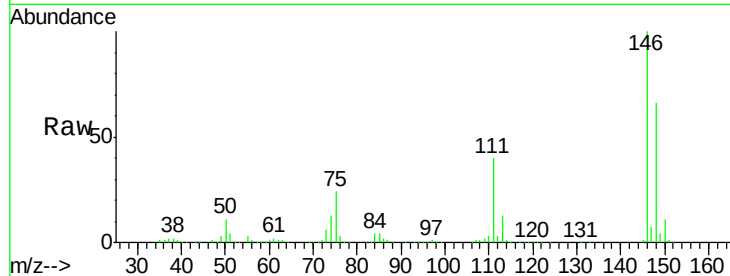




#14
 1,2-Dichlorobenzene
 Concen: 75.90 ng
 RT: 6.98 min Scan# 428
 Delta R.T. -0.05 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

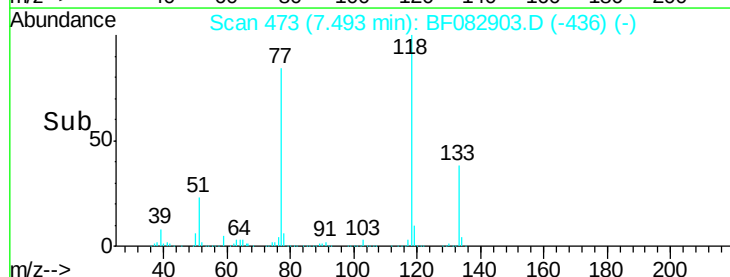
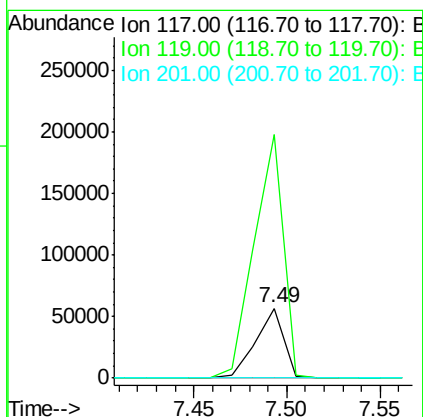
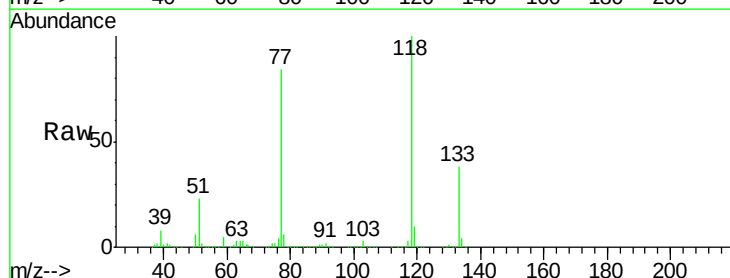
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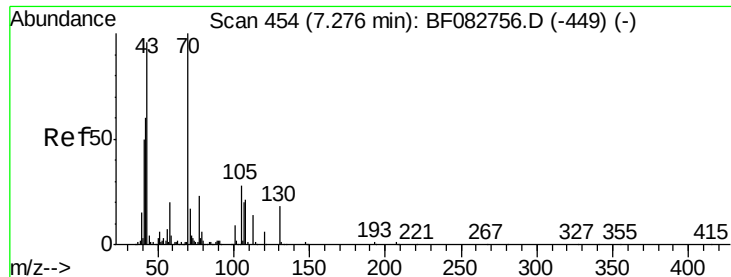
Tgt Ion:146 Resp: 1046637
 Ion Ratio Lower Upper
 146 100
 148 66.3 52.2 78.4
 111 39.8 36.6 55.0



#18
 Hexachloroethane
 Concen: 10.75 ng
 RT: 7.49 min Scan# 473
 Delta R.T. 0.13 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

Tgt Ion:117 Resp: 58317
 Ion Ratio Lower Upper
 117 100
 119 347.4 77.7 116.5#
 201 0.0 66.7 100.1#

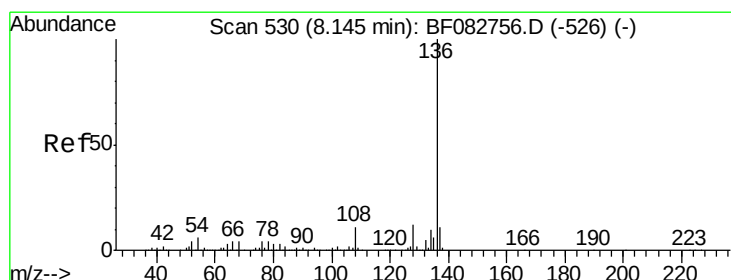
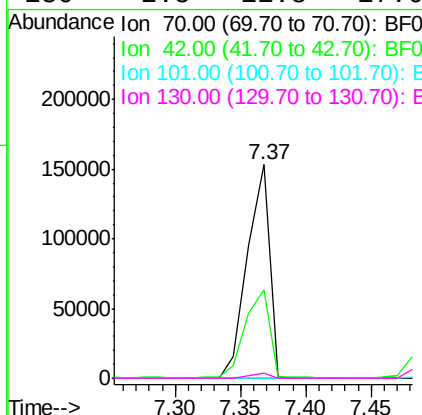
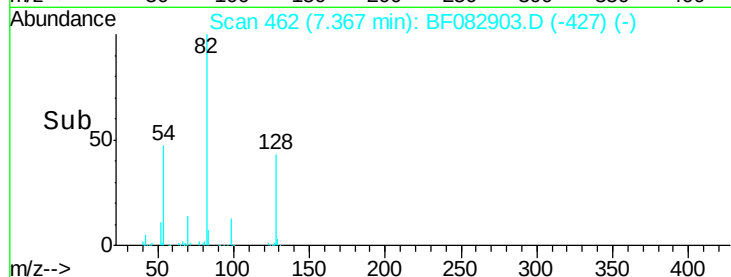
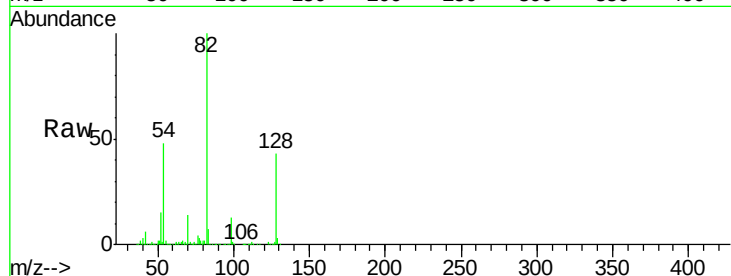




#19
n-Nitroso-di-n-propylamine
Concen: 15.99 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.10 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

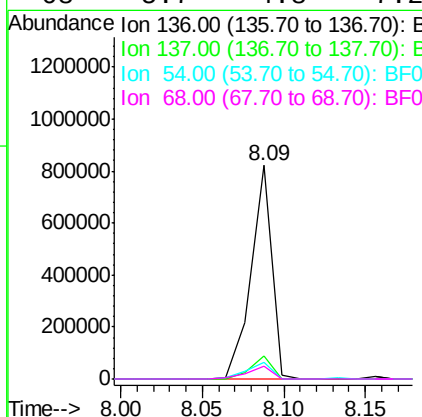
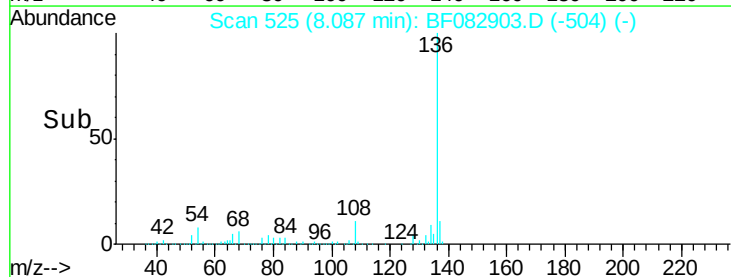
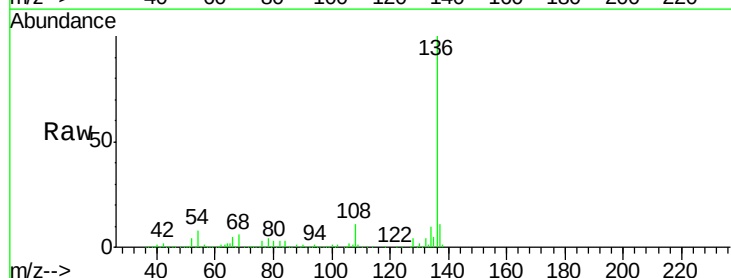
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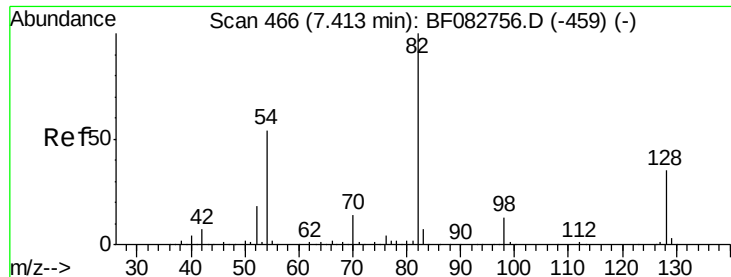
Tgt Ion: 70 Resp: 182144
Ion Ratio Lower Upper
70 100
42 41.1 57.7 86.5#
101 0.0 7.0 10.6#
130 2.5 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

Tgt Ion: 136 Resp: 725673
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.6 9.1 13.7#
68 5.7 4.8 7.2

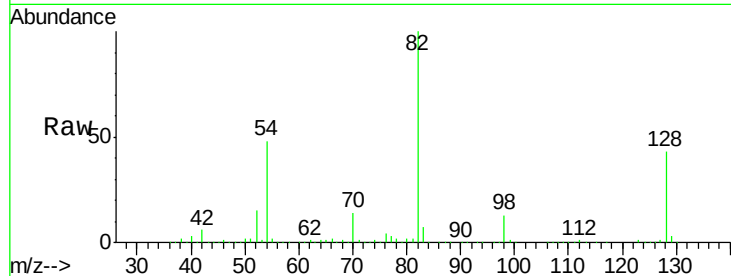




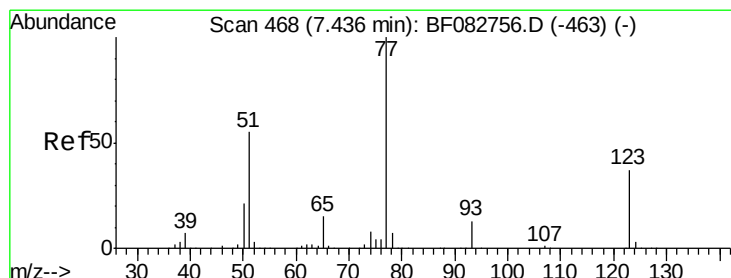
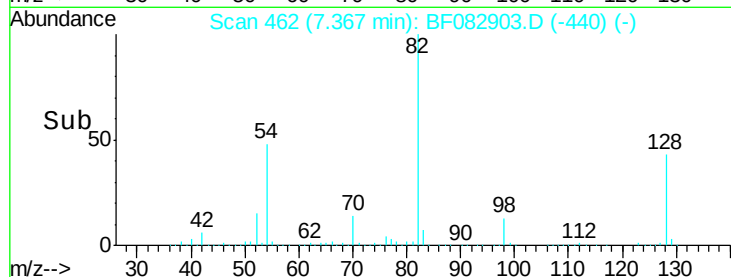
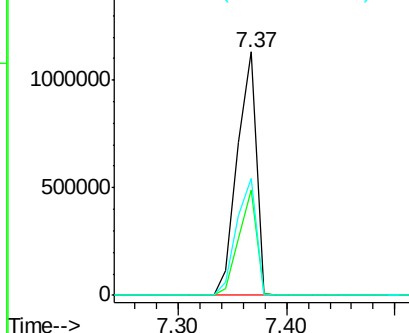
#23
 Nitrobenzene-d5
 Concen: 80.89 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.04 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS1122015

Tgt Ion: 82 Resp: 1349108
 Ion Ratio Lower Upper
 82 100
 128 43.3 26.8 40.2#
 54 47.9 45.7 68.5

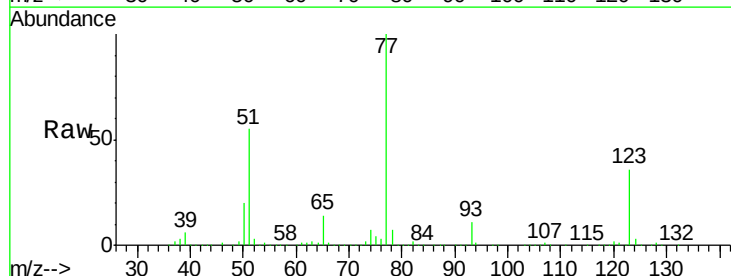


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

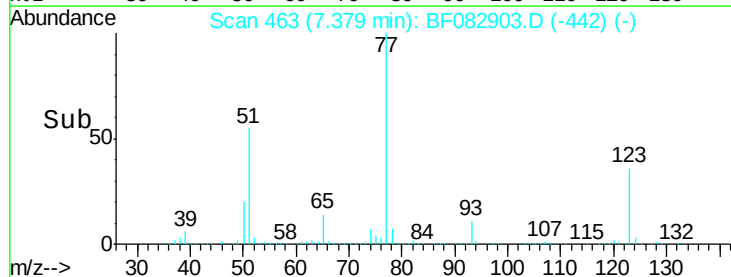
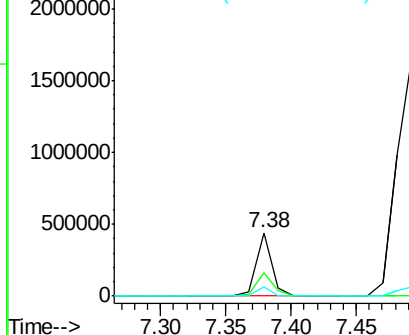


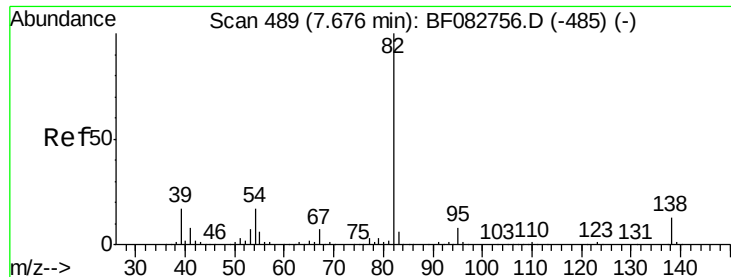
#24
 Nitrobenzene
 Concen: 21.34 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.06 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

Tgt Ion: 77 Resp: 363942
 Ion Ratio Lower Upper
 77 100
 123 36.5 36.4 54.6
 65 13.9 11.5 17.3



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





#25

Isophorone

Concen: 41.18 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015

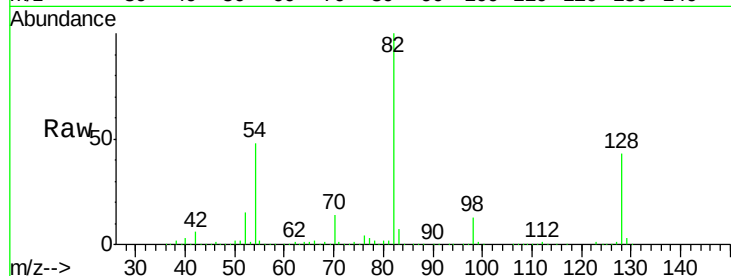
Tgt Ion: 82 Resp: 1270655

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

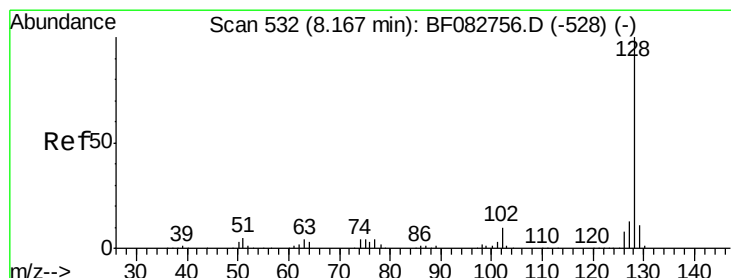
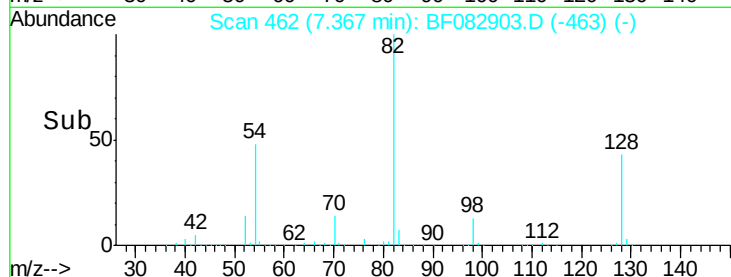
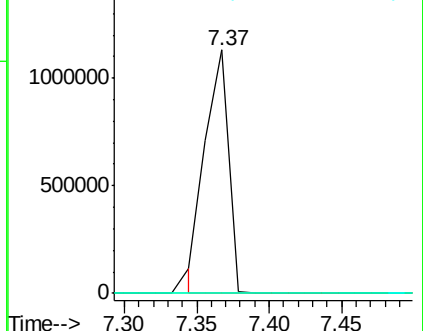
138 0.0 11.4 17.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 26.46 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.09 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

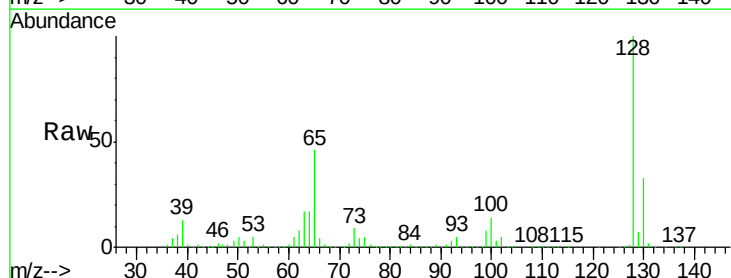
Tgt Ion: 128 Resp: 1059536

Ion Ratio Lower Upper

128 100

129 7.3 9.5 14.3#

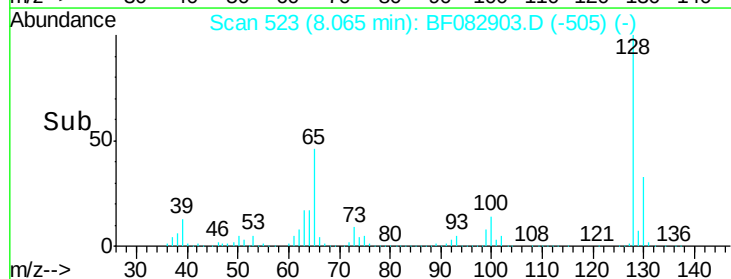
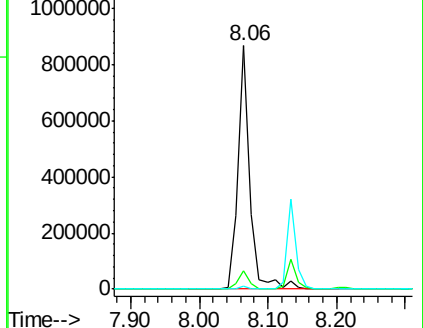
127 1.2 11.4 17.0#

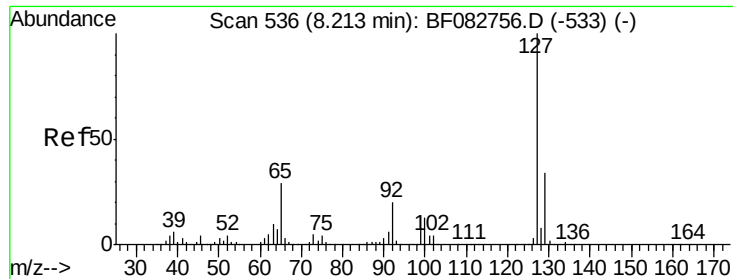


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

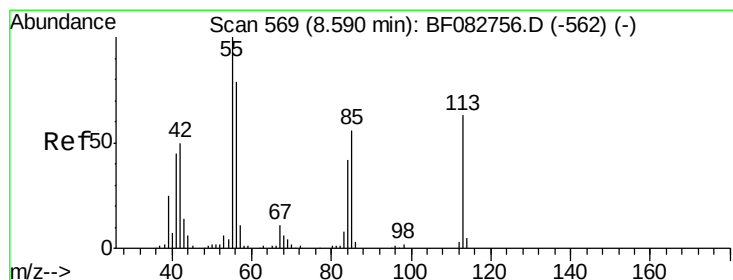
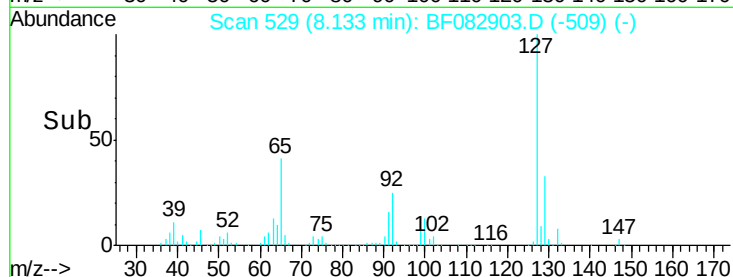
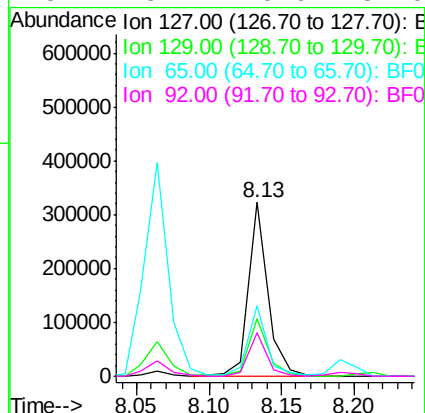
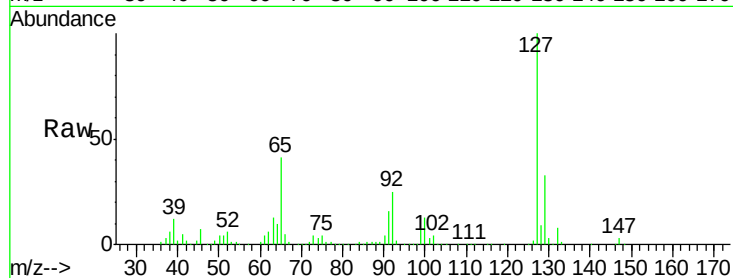




#33
4-Chloroaniline
Concen: 17.34 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.07 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

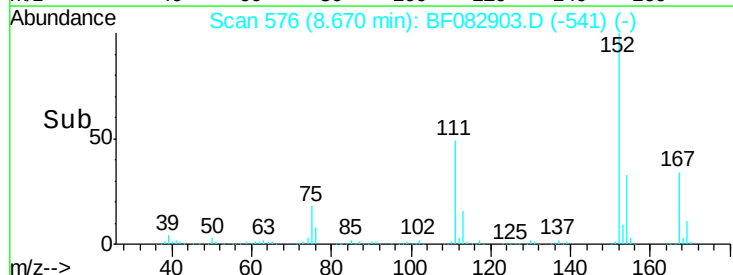
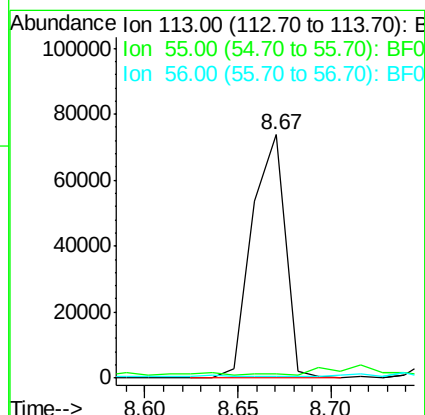
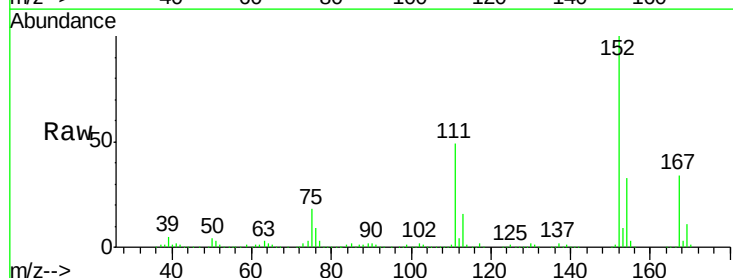
Instrument :
BNA_F
ClientSampleId :
SYSDIS1122015

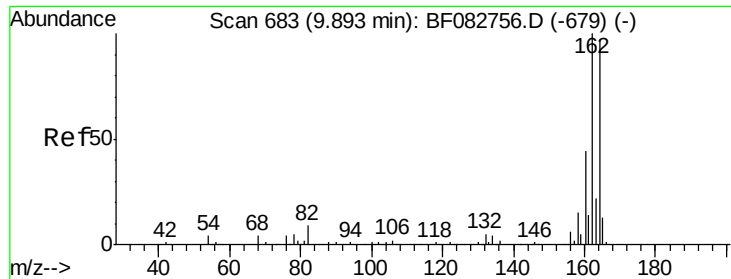
Tgt Ion:	127	Resp:	299228
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.3	39.5
65	40.9	37.8	56.8
92	25.2	20.6	31.0



#35
Caprolactam
Concen: 25.02 ng
RT: 8.67 min Scan# 576
Delta R.T. 0.10 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

Tgt Ion:	113	Resp:	91205
Ion	Ratio	Lower	Upper
113	100		
55	2.0	195.5	235.5#
56	0.9	153.5	193.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015

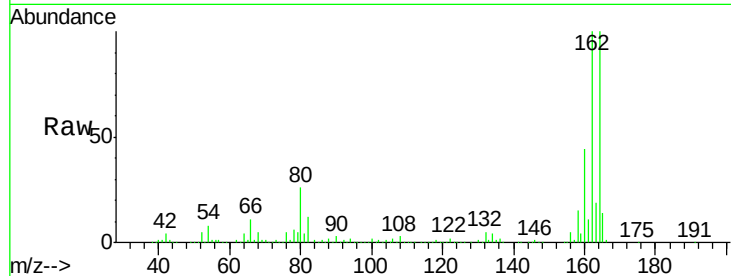
Tgt Ion:164 Resp: 347356

Ion Ratio Lower Upper

164 100

162 100.3 84.9 127.3

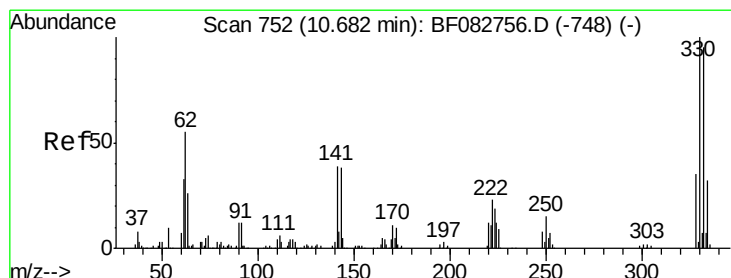
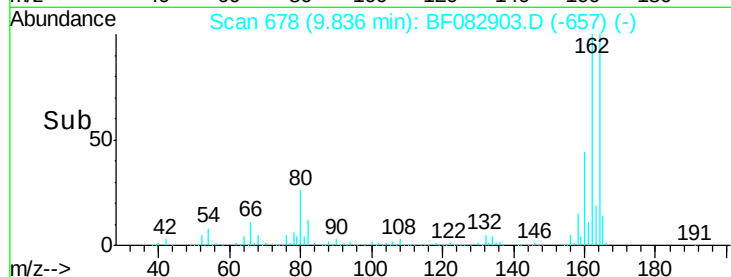
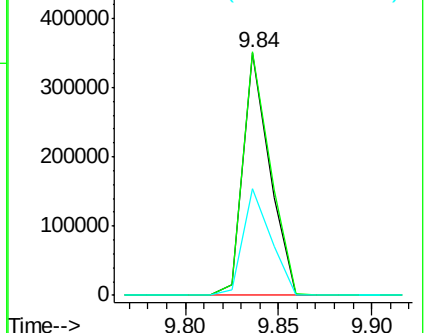
160 43.7 37.5 56.3



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: 75.23 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.06 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

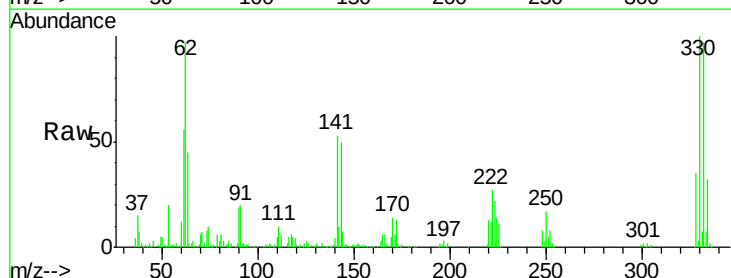
Tgt Ion:330 Resp: 299607

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

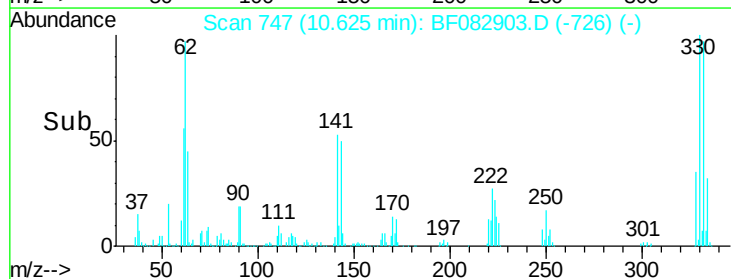
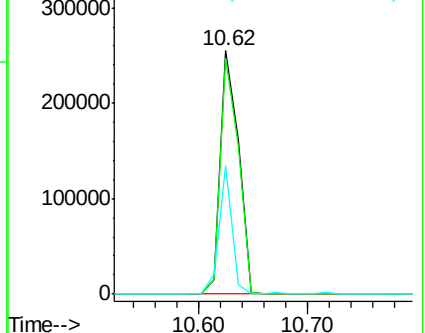
141 38.5 41.2 61.8#

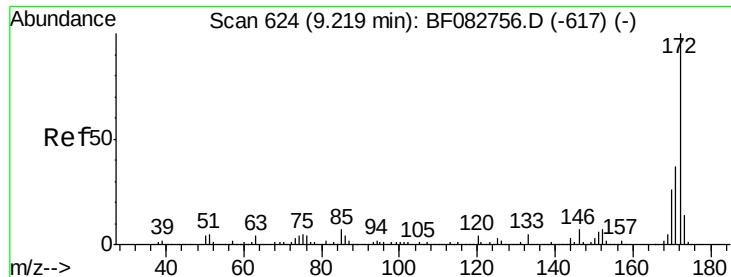


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

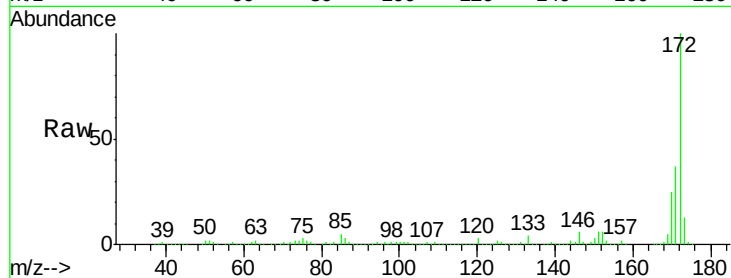




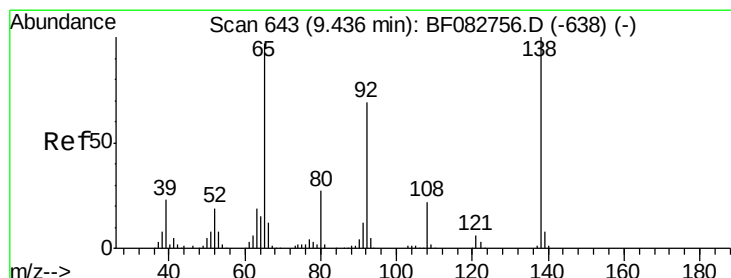
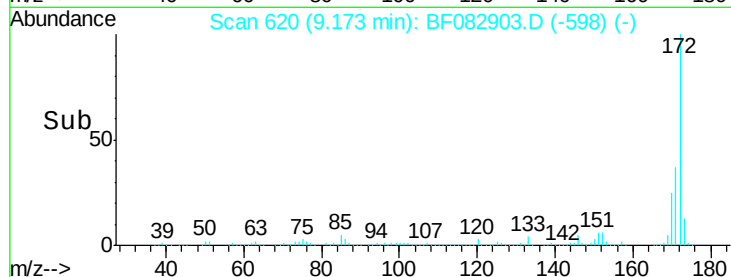
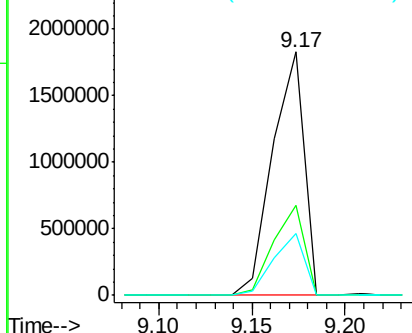
#44
 2-Fluorobiphenyl
 Concen: 88.81 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS1122015

Tgt Ion: 172 Resp: 2152479
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 25.2 21.2 31.8

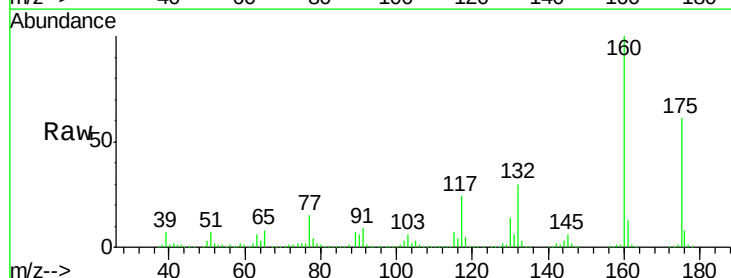


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

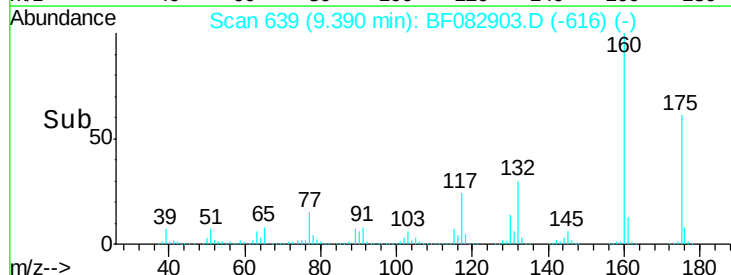
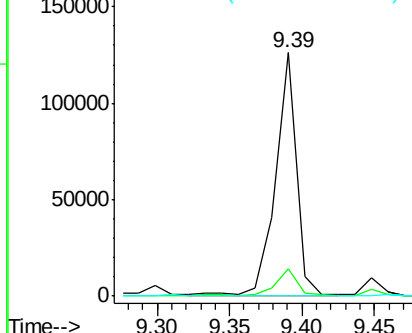


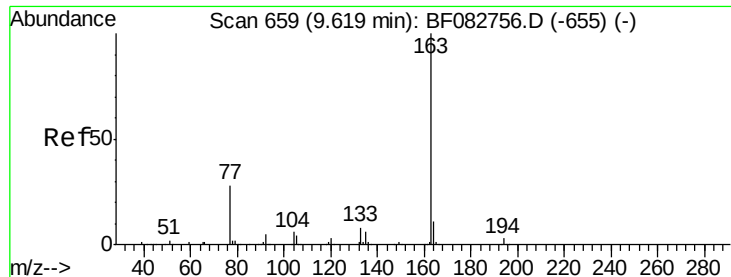
#47
 2-Nitroaniline
 Concen: 14.52 ng
 RT: 9.39 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF082903.D
 Acq: 13 Nov 2015 18:01

Tgt Ion: 65 Resp: 125226
 Ion Ratio Lower Upper
 65 100
 92 11.3 46.6 70.0#
 138 0.0 54.6 81.8#



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

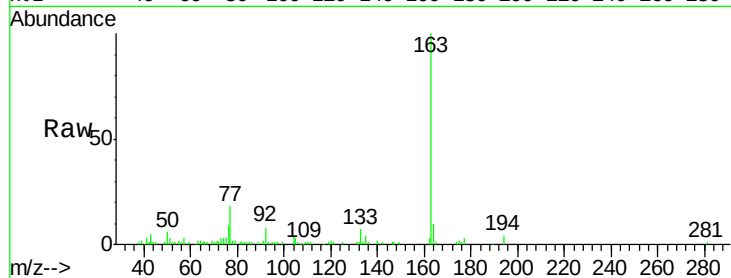




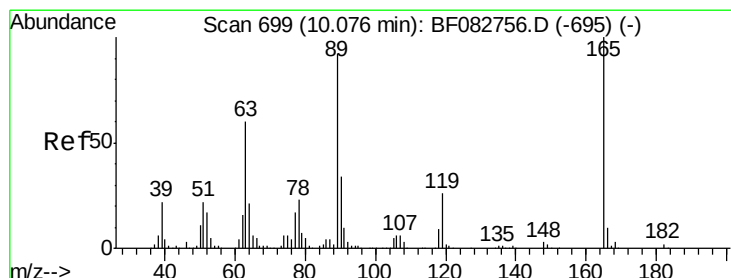
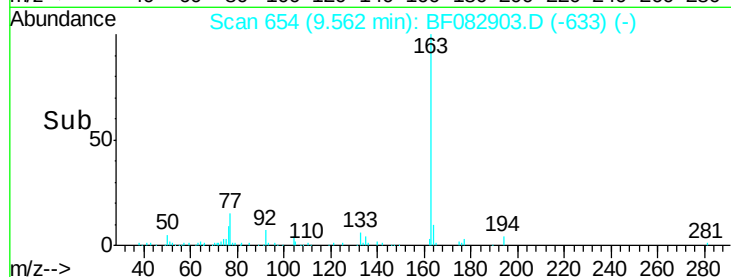
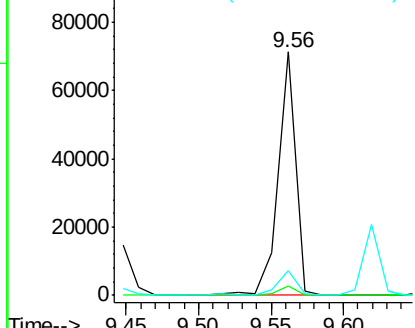
#49
Dimethylphthalate
Concen: 2.08 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

Instrument :
BNA_F
ClientSampleId :
SYSDIS1122015

Tgt Ion:163 Resp: 59269
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.0 8.7 13.1

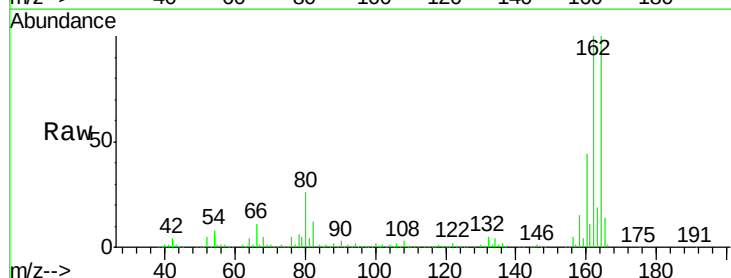


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

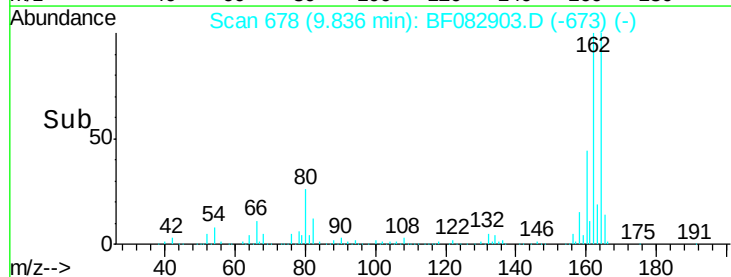
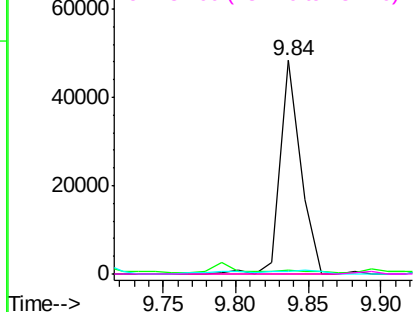


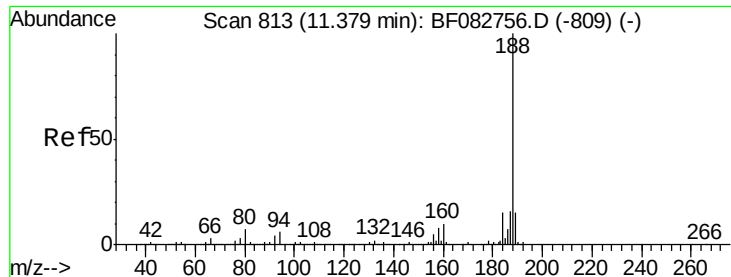
#56
2,4-Dinitrotoluene
Concen: 5.73 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.24 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

Tgt Ion:165 Resp: 47220
Ion Ratio Lower Upper
165 100
63 2.0 43.4 65.0#
89 1.4 70.6 106.0#
182 0.0 1.5 2.3#



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

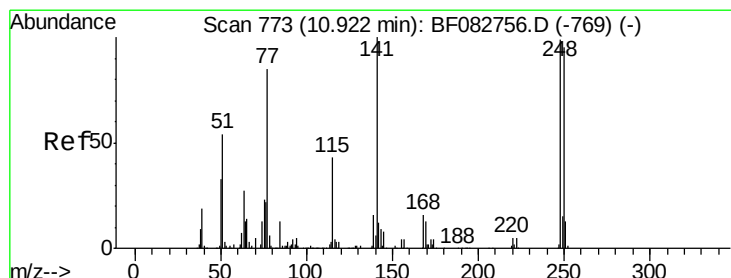
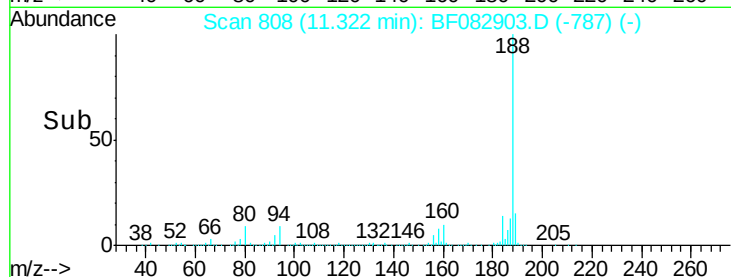
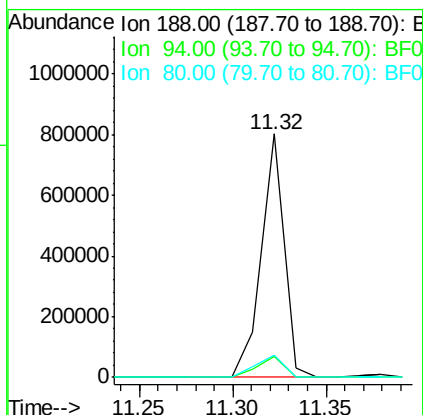
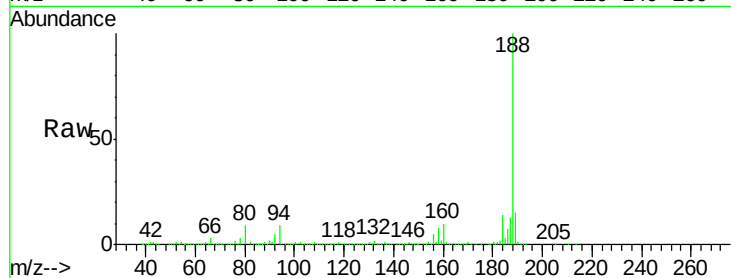




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.06 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

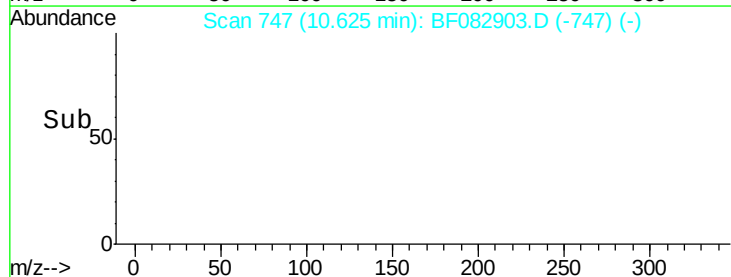
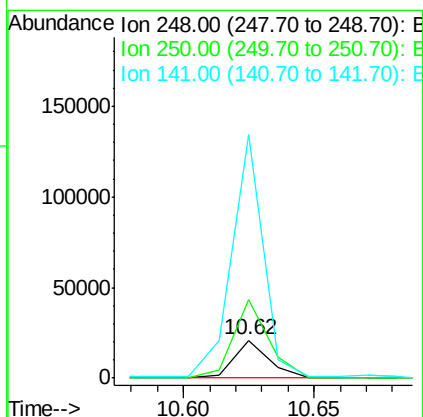
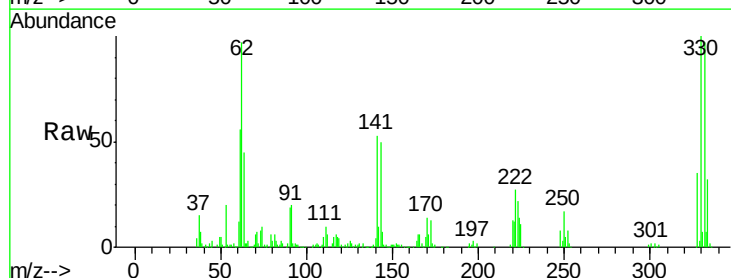
Instrument :
BNA_F
ClientSampleId :
SYSDIS1122015

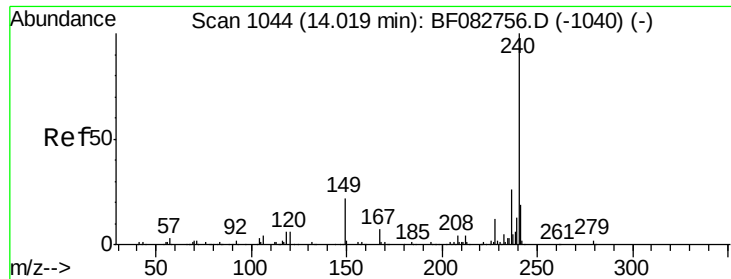
Tgt Ion:188 Resp: 677397
Ion Ratio Lower Upper
188 100
94 8.8 6.1 9.1
80 9.3 7.0 10.6



#66
4-Bromophenyl-phenylether
Concen: 2.40 ng
RT: 10.62 min Scan# 747
Delta R.T. -0.30 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

Tgt Ion:248 Resp: 19537
Ion Ratio Lower Upper
248 100
250 209.7 79.4 119.2#
141 646.6 36.3 54.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015

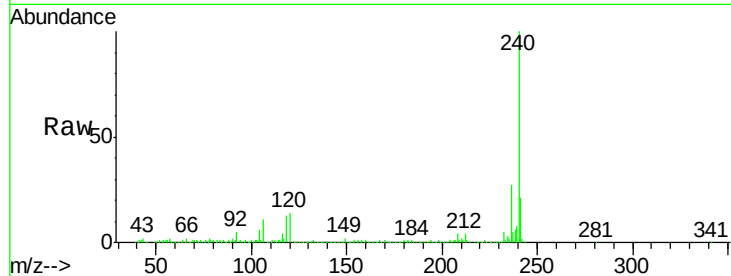
Tgt Ion:240 Resp: 538729

Ion Ratio Lower Upper

240 100

120 13.7 10.9 16.3

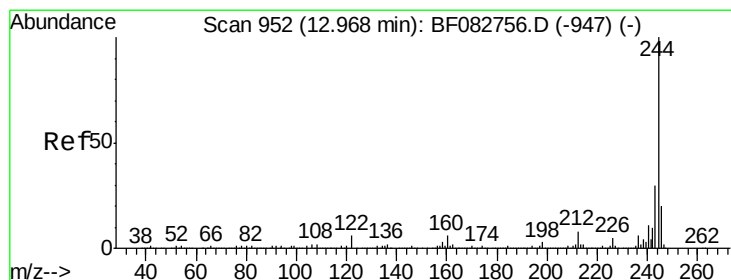
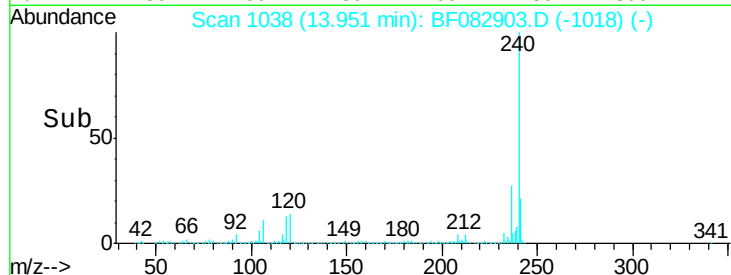
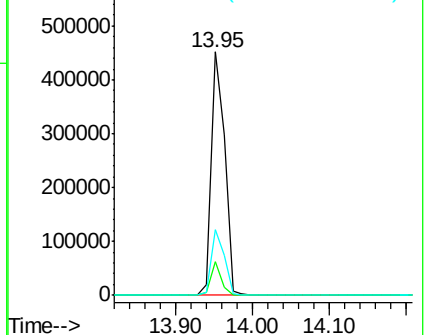
236 26.8 21.6 32.4



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



#78

Terphenyl-d14

Concen: 83.46 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF082903.D

Acq: 13 Nov 2015 18:01

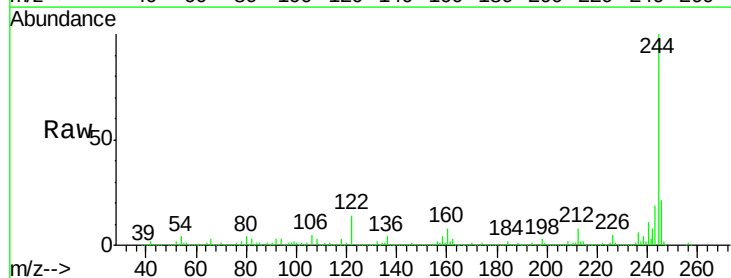
Tgt Ion:244 Resp: 1895726

Ion Ratio Lower Upper

244 100

212 8.4 7.6 11.4

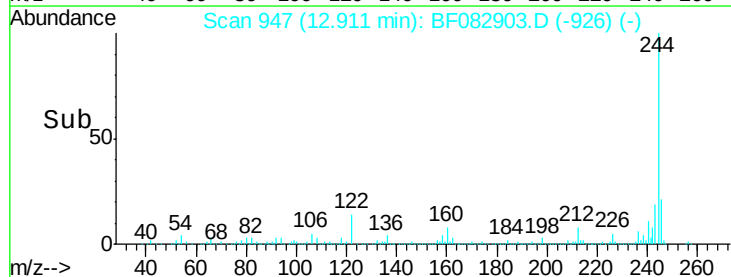
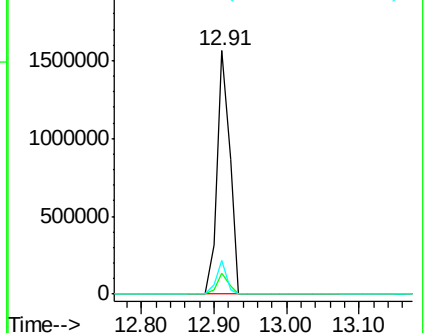
122 14.0 11.3 16.9

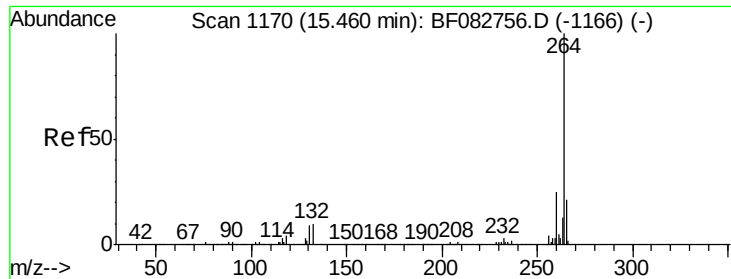


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.09 min
Lab File: BF082903.D
Acq: 13 Nov 2015 18:01

Instrument :
BNA_F
ClientSampleId :
SYSDIS1122015

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.8	29.6
265	22.2	17.4	26.0

