

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084964.D
 Acq On : 9 Feb 2016 20:53
 Operator : SJ/IZ
 Sample : H1311-15DL 25X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)DL

Quant Time: Feb 10 03:27:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

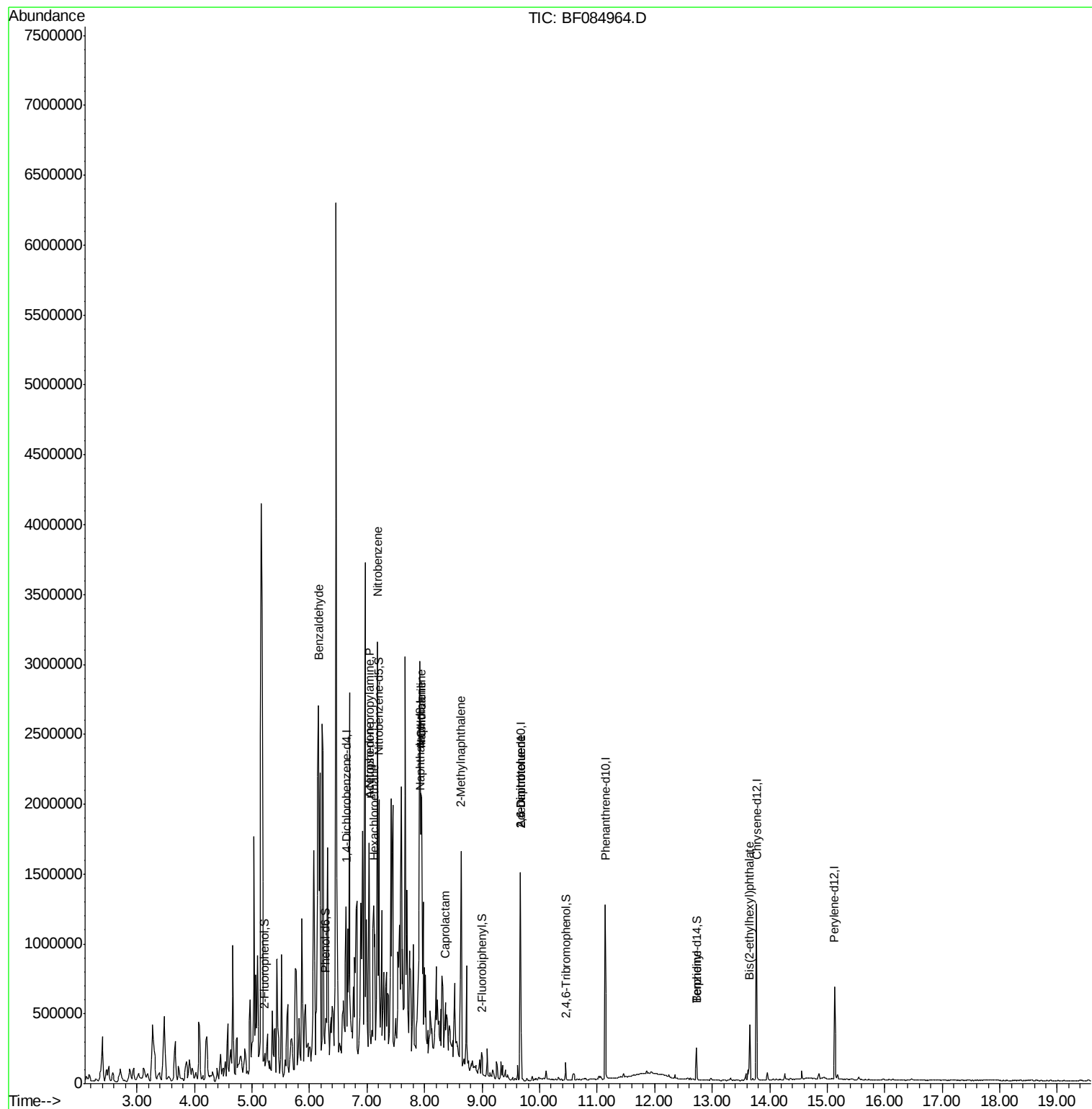
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	150042	20.00	ng	-0.05
21) Naphthalene-d8	7.93	136	560587	20.00	ng	-0.05
38) Acenaphthene-d10	9.66	164	289657	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	525728	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	421248	20.00	ng	-0.07
86) Perylene-d12	15.13	264	294575	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	55217	5.73	ng	-0.06
7) Phenol-d6	6.28	99	70075	5.87	ng	-0.06
23) Nitrobenzene-d5	7.21	82	49934	5.02	ng	-0.06
41) 2,4,6-Tribromophenol	10.45	330	16118	5.33	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	73854	2.24	ng	-0.06
78) Terphenyl-d14	12.73	244	76064	4.09	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.16	77	137898	19.55	ng	# 1
18) Hexachloroethane	7.12	117	80274	18.10	ng	# 1
19) n-Nitroso-di-n-propylamine	7.04	70	18360	2.45	ng	# 34
22) Acetophenone	7.04	105	341107	23.09	ng	# 54
24) Nitrobenzene	7.18	77	130519	12.25	ng	# 22
31) Naphthalene	7.94	128	924017	32.86	ng	# 98
33) 4-Chloroaniline	7.94	127	155896	13.41	ng	# 37
35) Caprolactam	8.36	113	11631	4.82	ng	# 1
37) 2-Methylnaphthalene	8.64	142	447006	25.40	ng	# 98
50) 2,6-Dinitrotoluene	9.66	165	38002	7.89	ng	# 38
56) 2,4-Dinitrotoluene	9.66	165	38002	6.18	ng	# 22
76) Benzidine	12.73	184	993	6.94	ng	# 66
83) Bis(2-ethylhexyl)phthalate	13.65	149	90909	4.99	ng	# 54

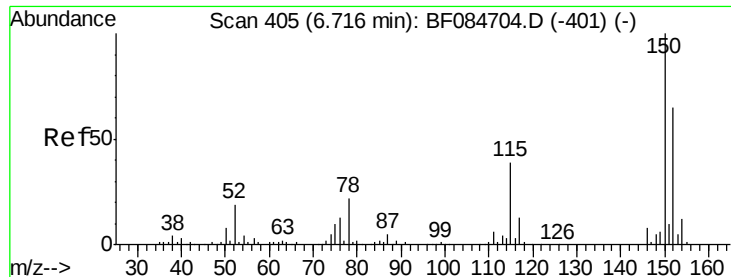
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)DL

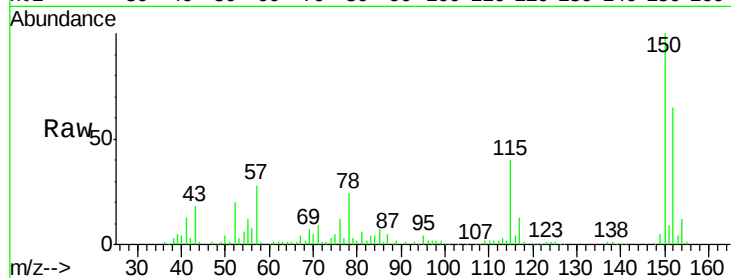
Tgt Ion:152 Resp: 150042

Ion Ratio Lower Upper

152 100

150 154.0 123.0 184.4

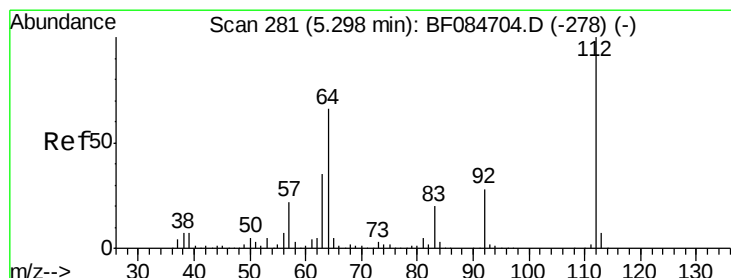
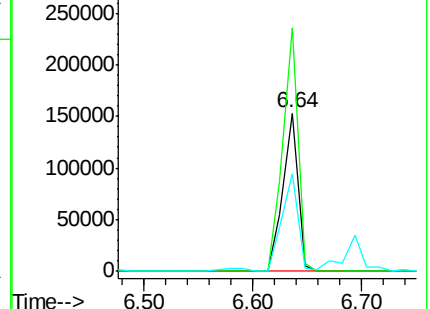
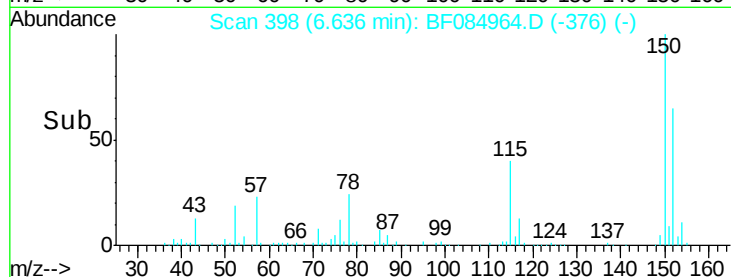
115 62.2 51.4 77.2



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: 5.73 ng

RT: 5.22 min Scan# 274

Delta R.T. -0.06 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

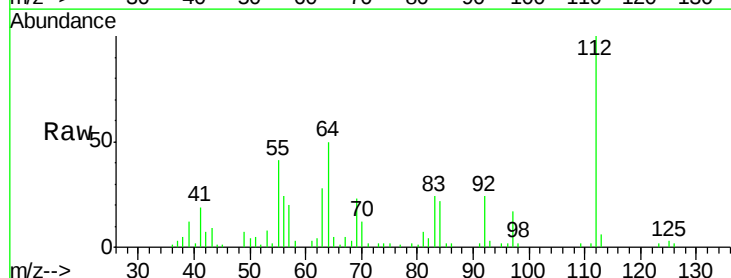
Tgt Ion:112 Resp: 55217

Ion Ratio Lower Upper

112 100

64 50.2 36.6 55.0

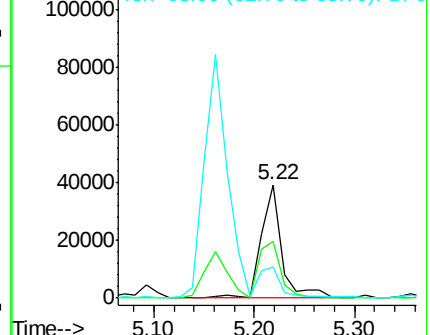
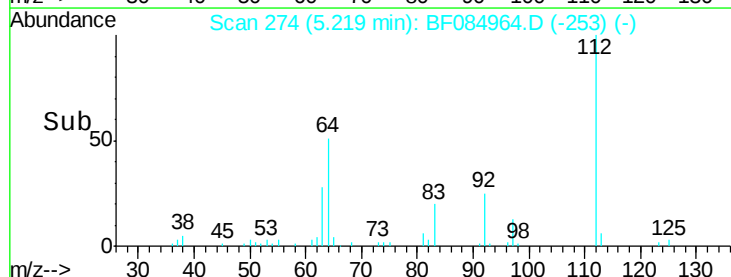
63 27.8 19.4 29.0

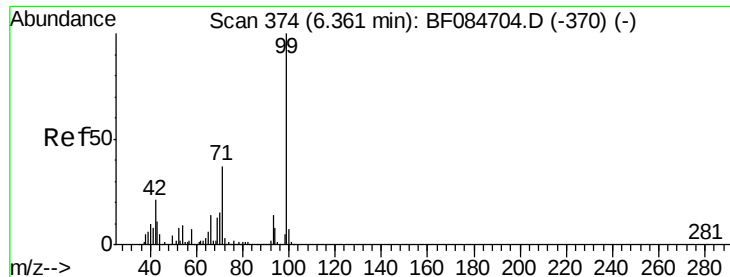


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.87 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.06 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)DL

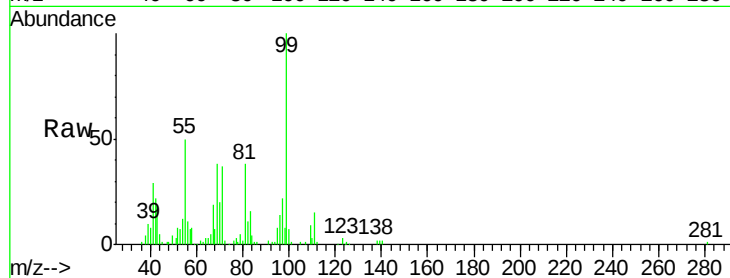
Tgt Ion: 99 Resp: 70075

Ion Ratio Lower Upper

99 100

42 21.9 12.8 19.2#

71 36.7 30.9 46.3



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

200000

150000

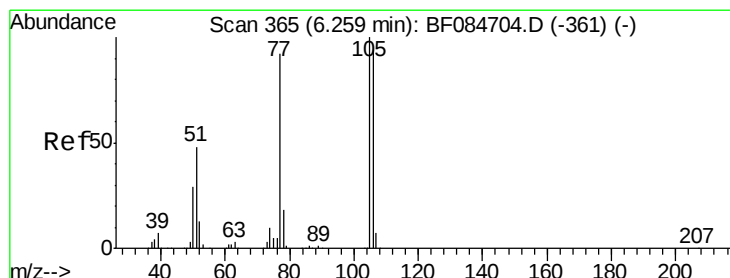
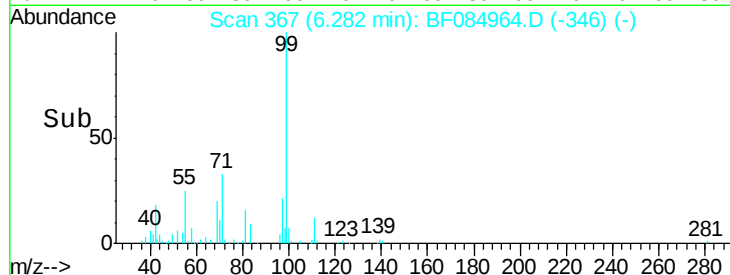
100000

50000

0

6.20 6.25 6.30 6.35

Time-->



#9

Benzaldehyde

Concen: 19.55 ng

RT: 6.16 min Scan# 356

Delta R.T. -0.08 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

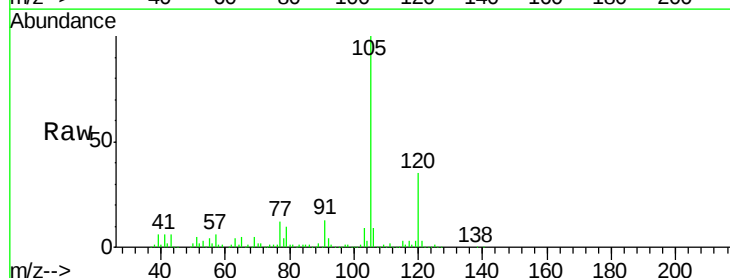
Tgt Ion: 77 Resp: 137898

Ion Ratio Lower Upper

77 100

105 846.4 83.0 123.0#

106 73.4 74.6 114.6#



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

1200000

1000000

800000

600000

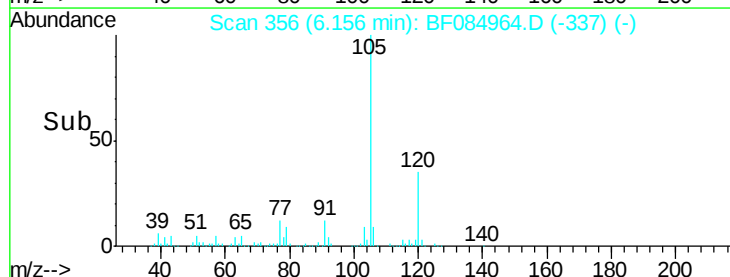
400000

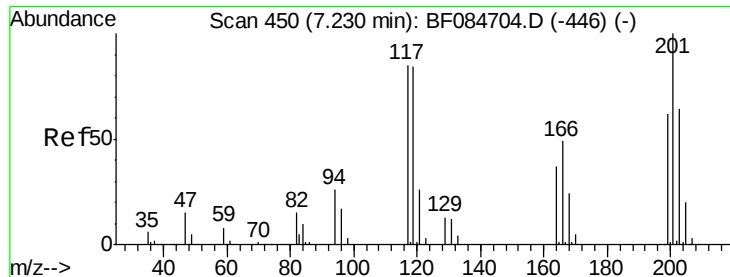
200000

0

6.10 6.15

Time-->





#18

Hexachloroethane

Concen: 18.10 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)DL

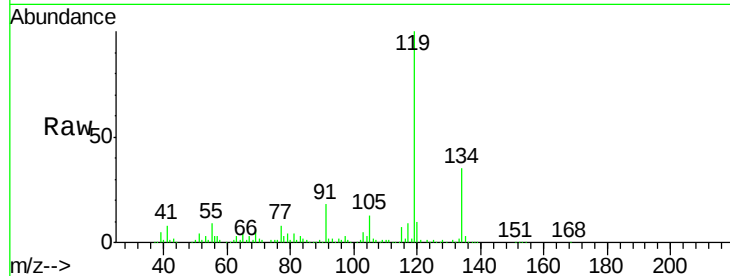
Tgt Ion:117 Resp: 80274

Ion Ratio Lower Upper

117 100

119 1069.0 77.4 116.0#

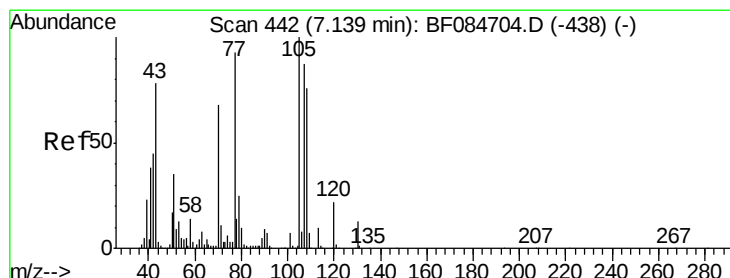
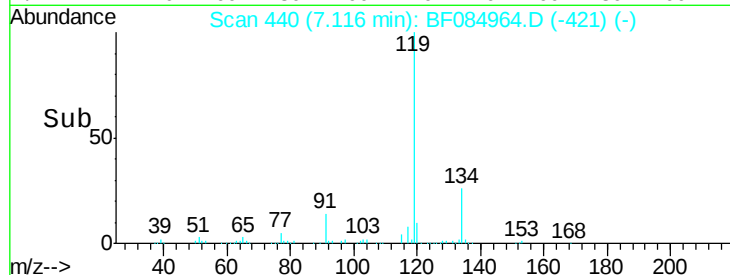
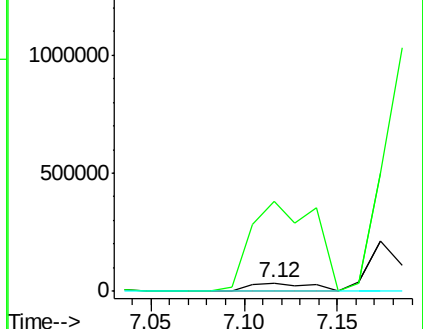
201 0.0 68.6 103.0#



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: 2.45 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.08 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Tgt Ion: 70 Resp: 18360

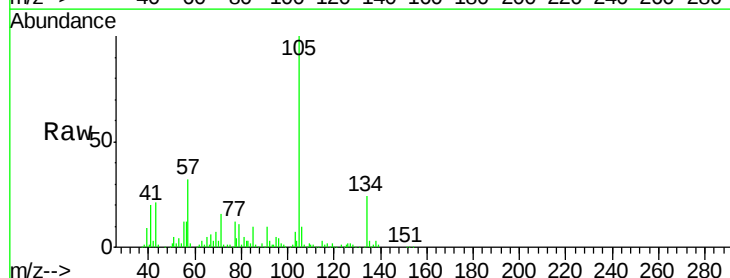
Ion Ratio Lower Upper

70 100

42 96.2 33.3 49.9#

101 3.8 9.3 13.9#

130 0.0 23.4 35.0#

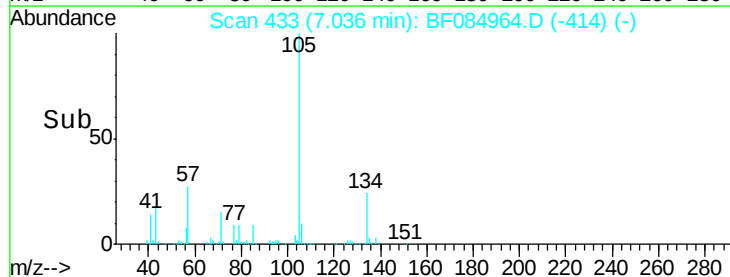
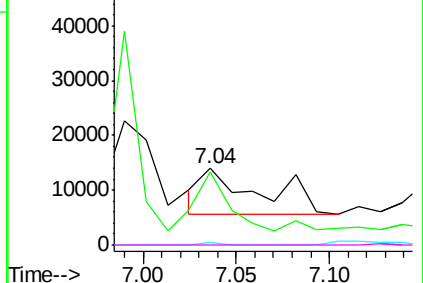


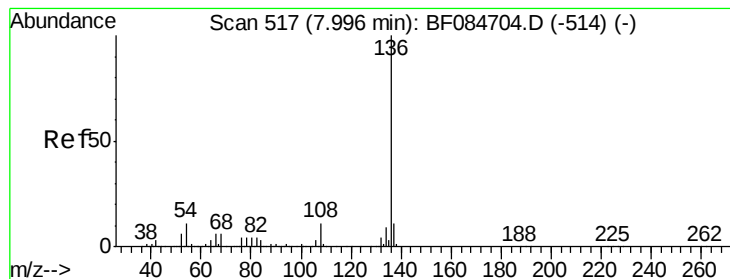
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.05 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)DL

Tgt Ion:136 Resp: 560587

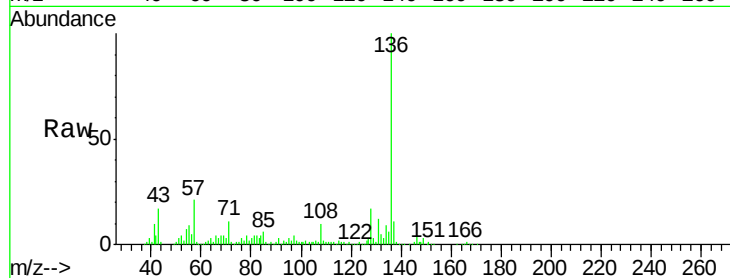
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.8 5.8 8.8

68 4.1 4.2 6.2#

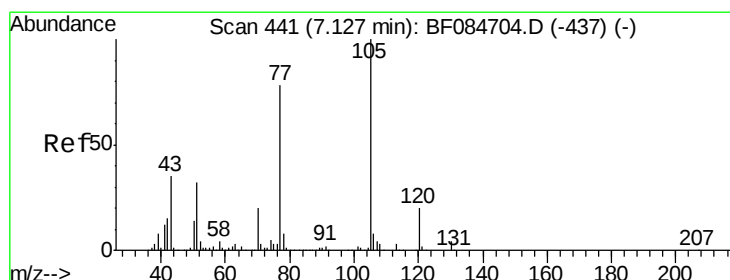
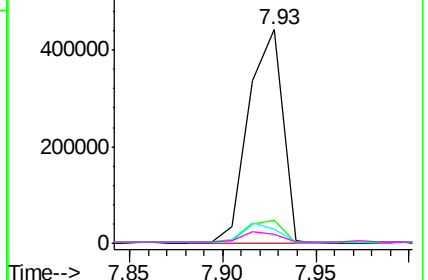
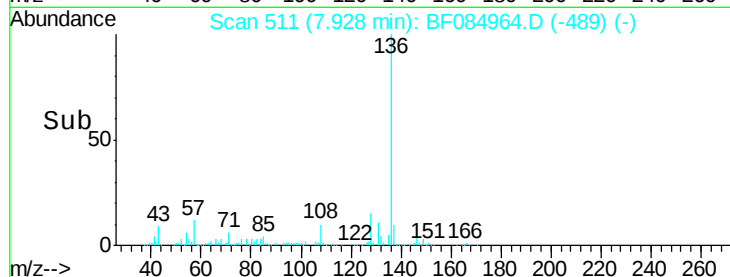


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 23.09 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.07 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Tgt Ion:105 Resp: 341107

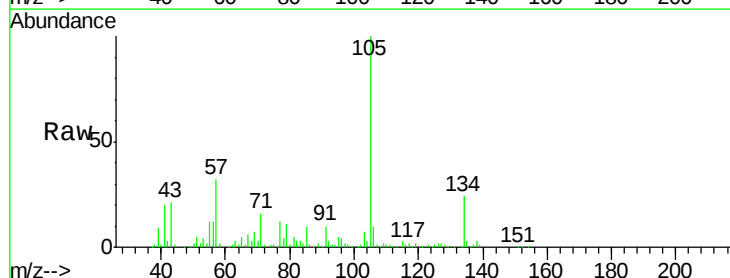
Ion Ratio Lower Upper

105 100

71 16.1 3.7 5.5#

51 4.5 25.1 37.7#

120 0.3 16.6 25.0#

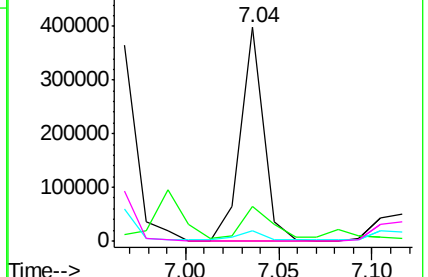
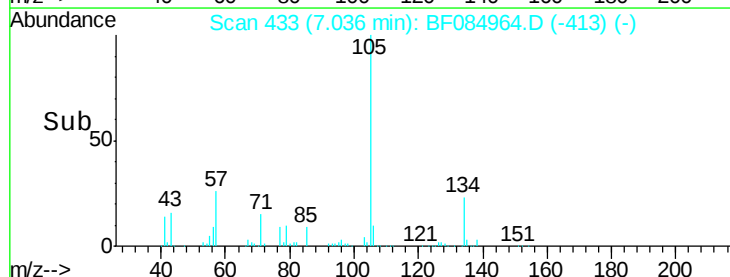


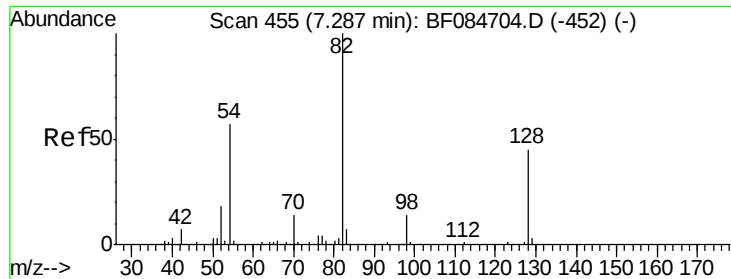
Abundance Ion 105.00 (104.70 to 105.70): E

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

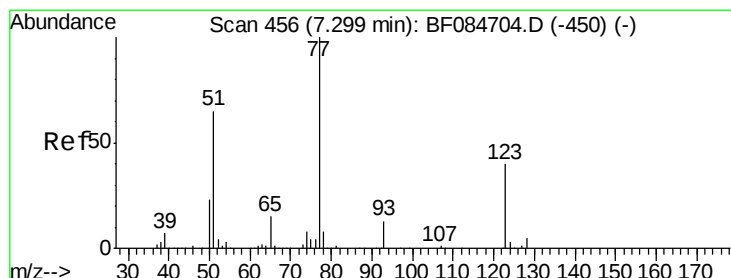
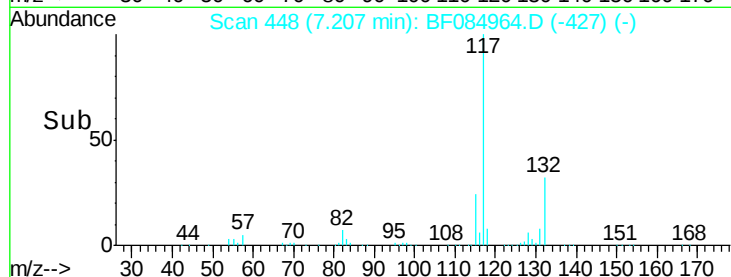
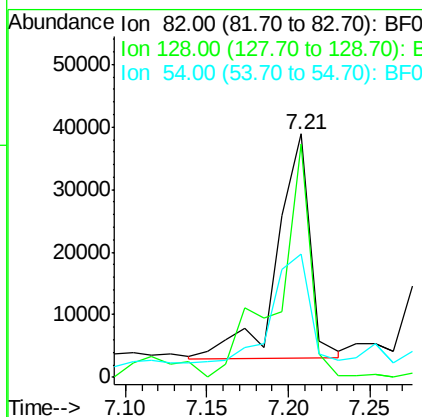
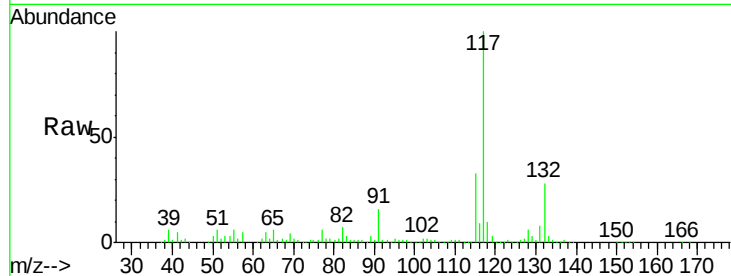




#23
Nitrobenzene-d5
Concen: 5.02 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.06 min
Lab File: BF084964.D
Acq: 9 Feb 2016 20:53

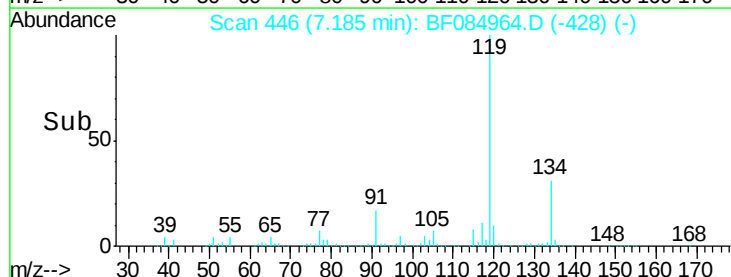
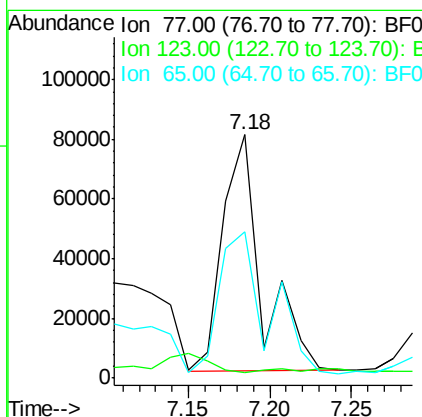
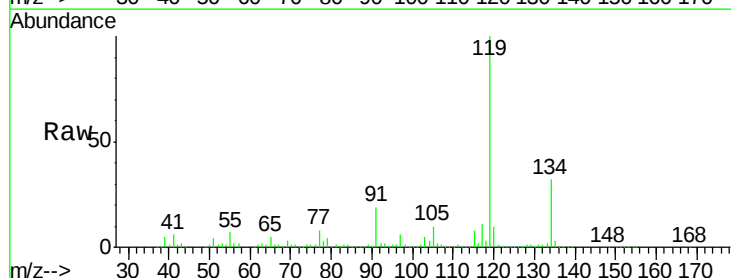
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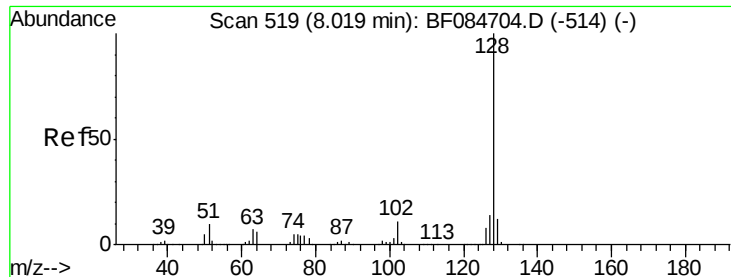
Tgt Ion: 82 Resp: 49934
Ion Ratio Lower Upper
82 100
128 95.6 34.6 51.8#
54 50.5 38.4 57.6



#24
Nitrobenzene
Concen: 12.25 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.09 min
Lab File: BF084964.D
Acq: 9 Feb 2016 20:53

Tgt Ion: 77 Resp: 130519
Ion Ratio Lower Upper
77 100
123 2.1 37.4 56.2#
65 59.9 10.9 16.3#

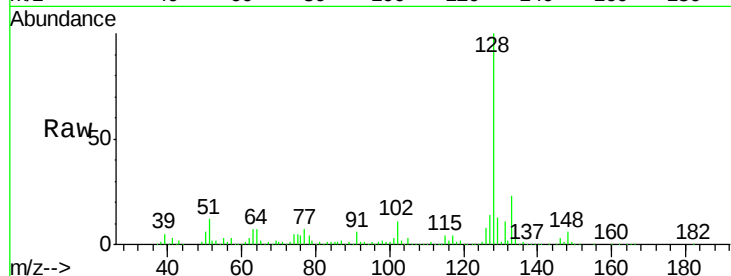




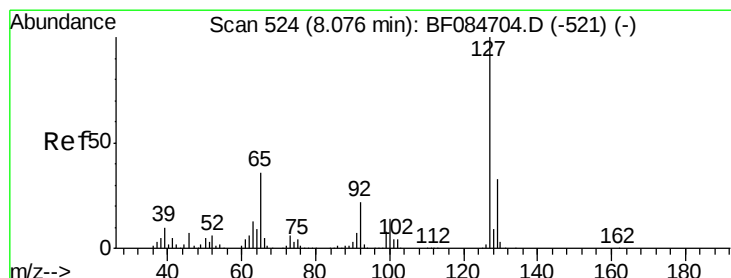
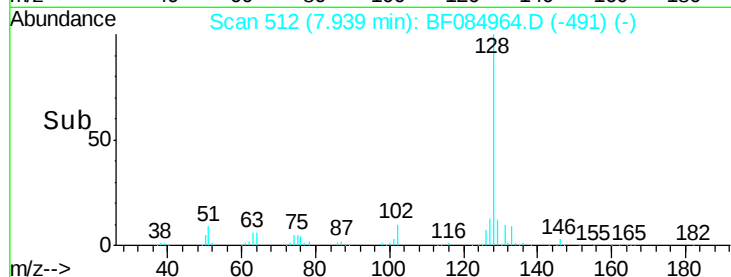
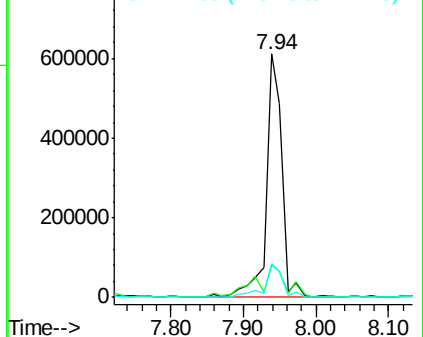
#31
Naphthalene
Concen: 32.86 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.06 min
Lab File: BF084964.D
Acq: 9 Feb 2016 20:53

Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)DL

Tgt Ion:128 Resp: 924017
Ion Ratio Lower Upper
128 100
129 13.1 9.1 13.7
127 13.8 11.1 16.7

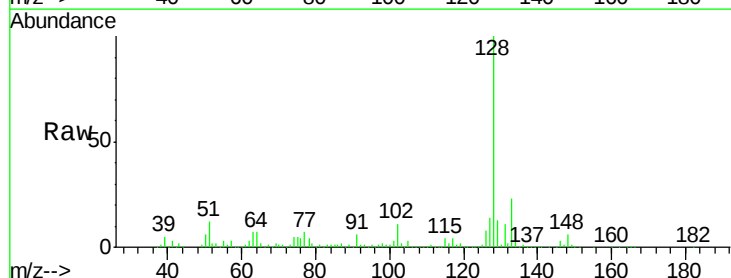


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

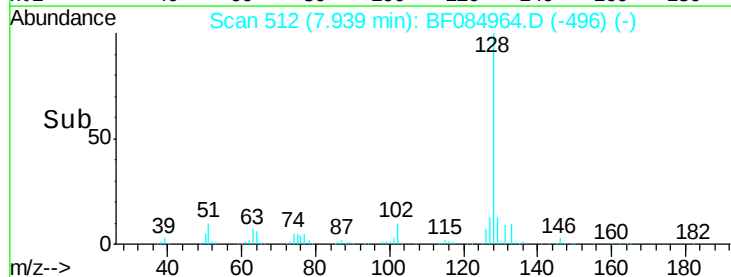
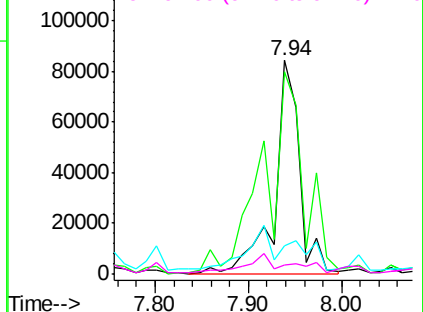


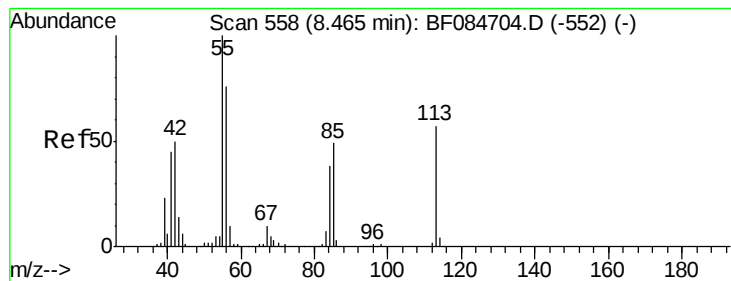
#33
4-Chloroaniline
Concen: 13.41 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.11 min
Lab File: BF084964.D
Acq: 9 Feb 2016 20:53

Tgt Ion:127 Resp: 155896
Ion Ratio Lower Upper
127 100
129 94.9 26.5 39.7#
65 13.4 27.2 40.8#
92 4.4 17.7 26.5#



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: 4.82 ng

RT: 8.36 min Scan# 549

Delta R.T. -0.08 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)DL

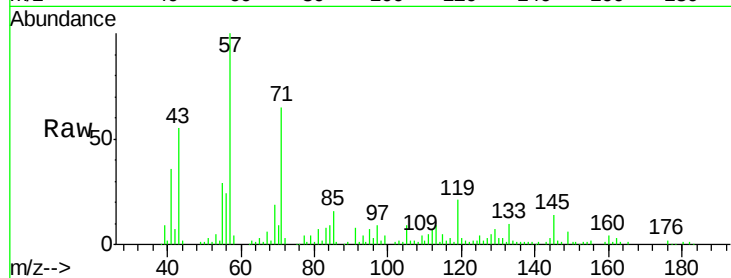
Tgt Ion:113 Resp: 11631

Ion Ratio Lower Upper

113 100

55 304.0 116.9 156.9#

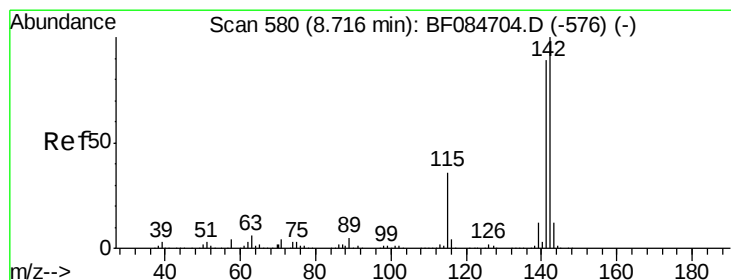
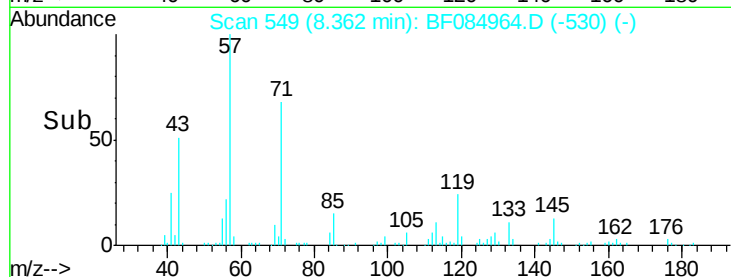
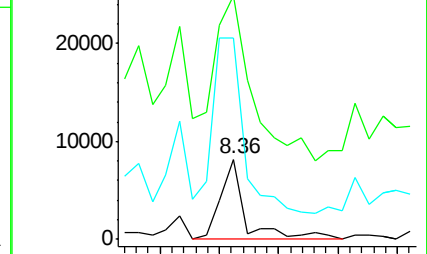
56 251.0 93.8 133.8#



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: 25.40 ng

RT: 8.64 min Scan# 573

Delta R.T. -0.06 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

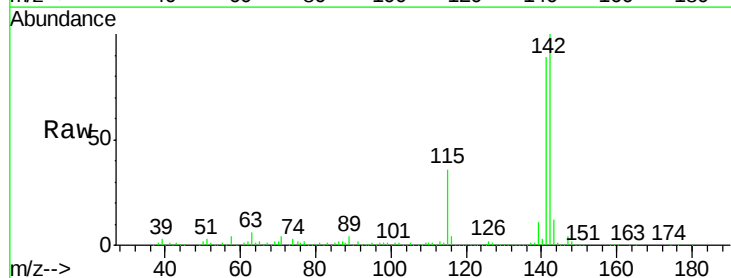
Tgt Ion:142 Resp: 447006

Ion Ratio Lower Upper

142 100

141 88.8 72.4 108.6

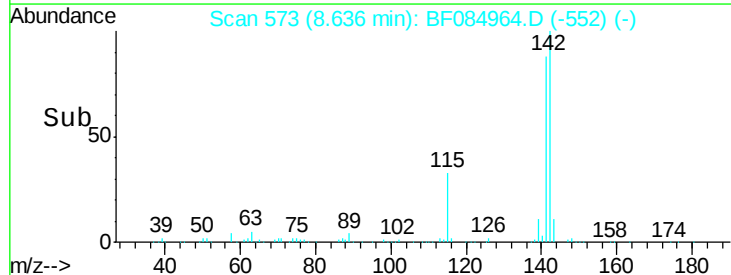
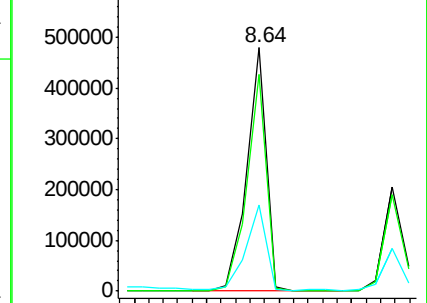
115 35.5 27.9 41.9

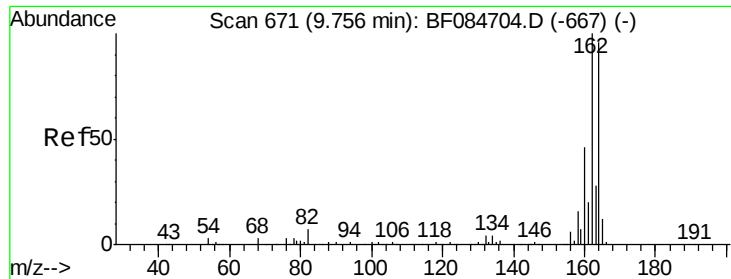


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.07 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)DL

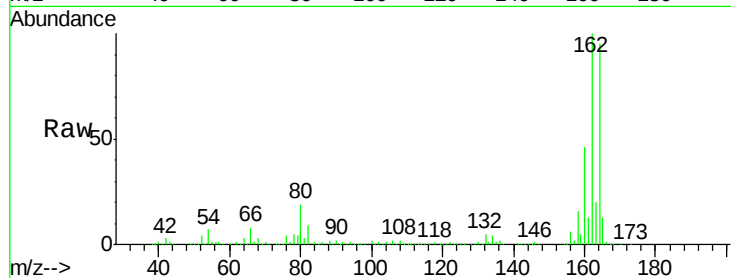
Tgt Ion:164 Resp: 289657

Ion Ratio Lower Upper

164 100

162 104.9 85.1 127.7

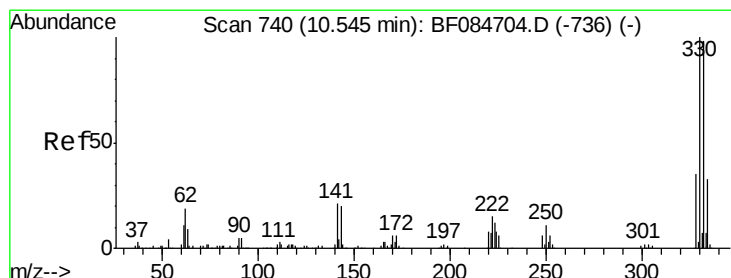
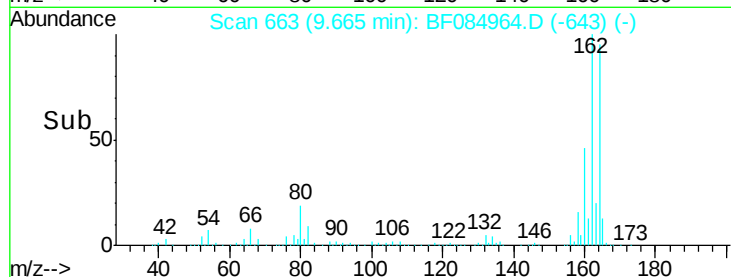
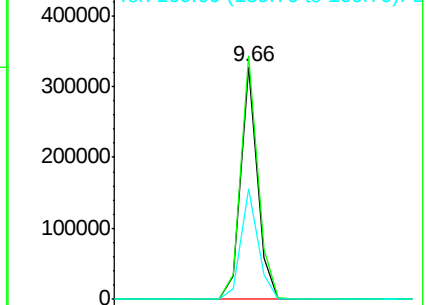
160 47.8 37.5 56.3



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: 5.33 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.07 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

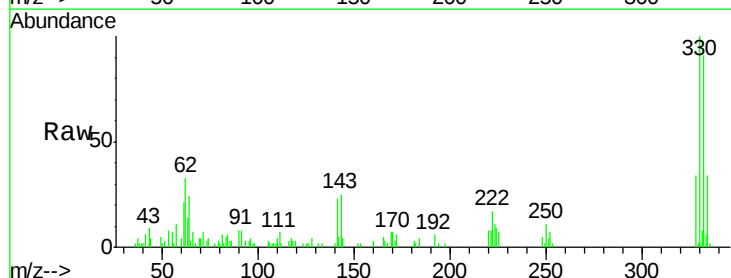
Tgt Ion:330 Resp: 16118

Ion Ratio Lower Upper

330 100

332 90.7 76.6 114.8

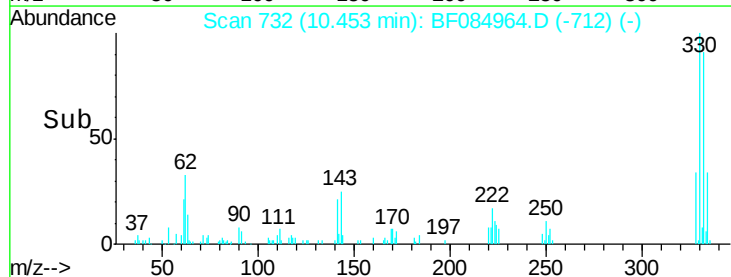
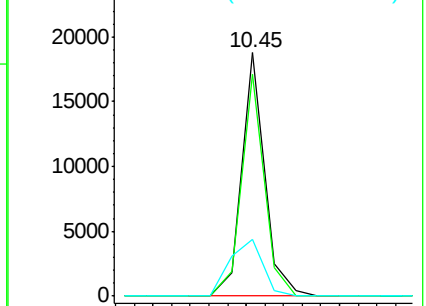
141 33.5 27.8 41.6

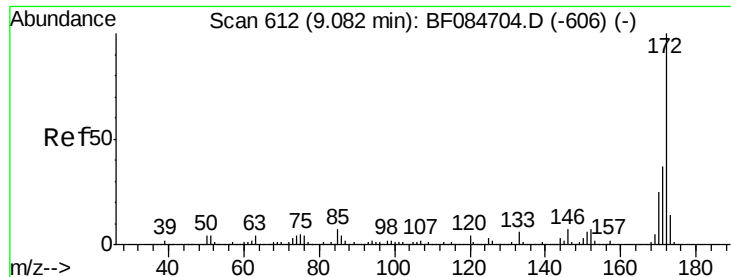


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

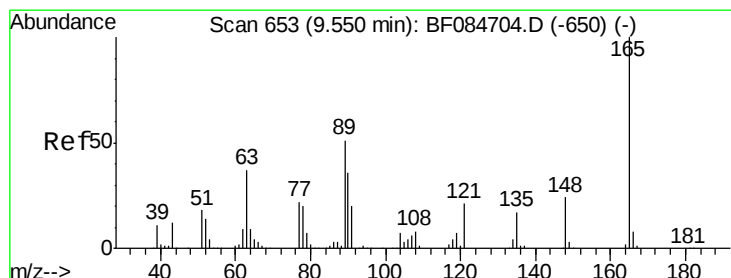
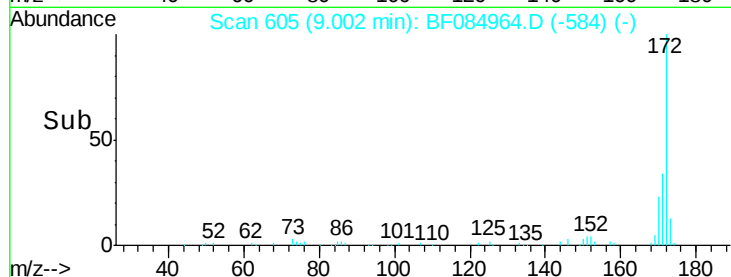
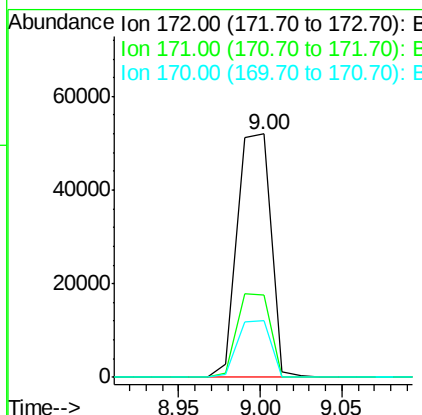
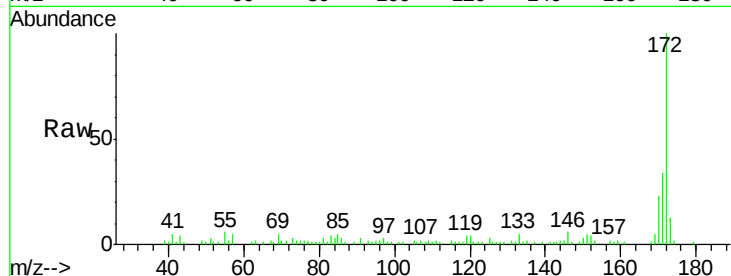




#44
 2-Fluorobiphenyl
 Concen: 2.24 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084964.D
 Acq: 9 Feb 2016 20:53

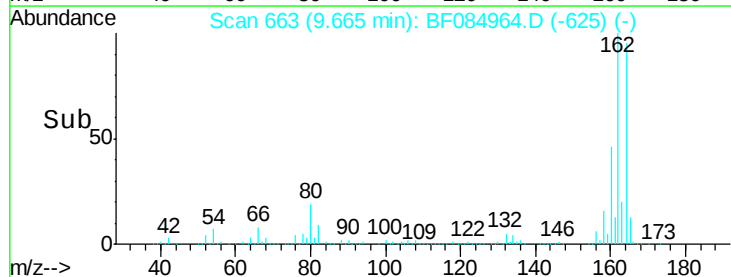
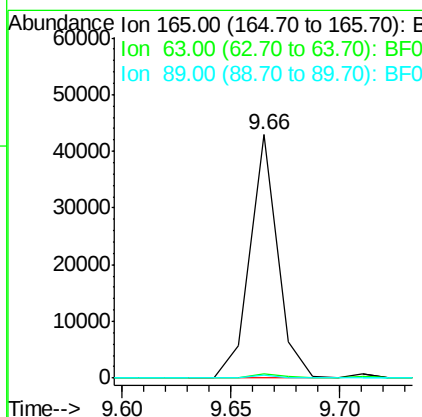
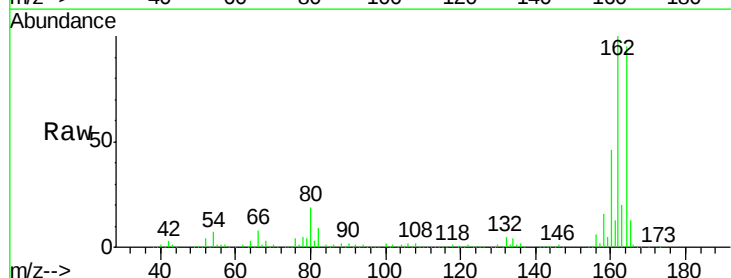
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)DL

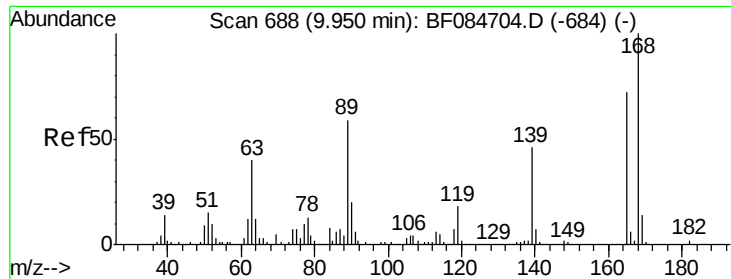
Tgt Ion:172 Resp: 73854
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.9 43.3
 170 23.1 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 7.89 ng
 RT: 9.66 min Scan# 663
 Delta R.T. 0.14 min
 Lab File: BF084964.D
 Acq: 9 Feb 2016 20:53

Tgt Ion:165 Resp: 38002
 Ion Ratio Lower Upper
 165 100
 63 1.7 28.8 43.2#
 89 1.5 35.1 52.7#

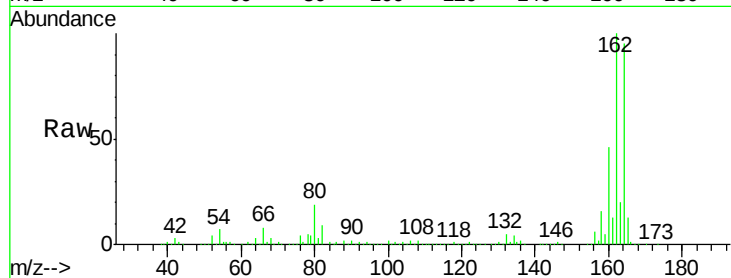




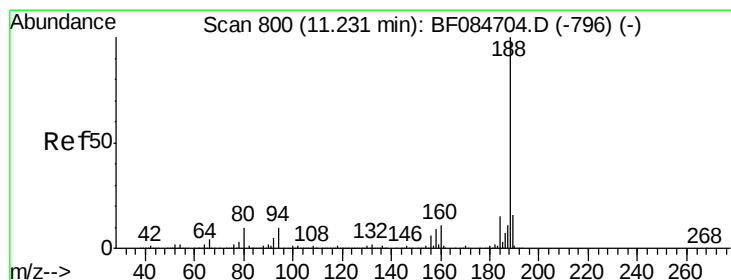
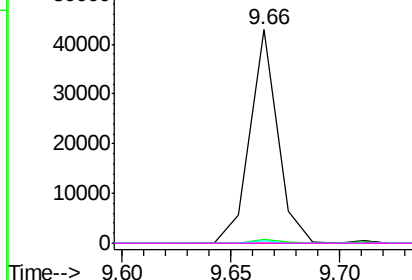
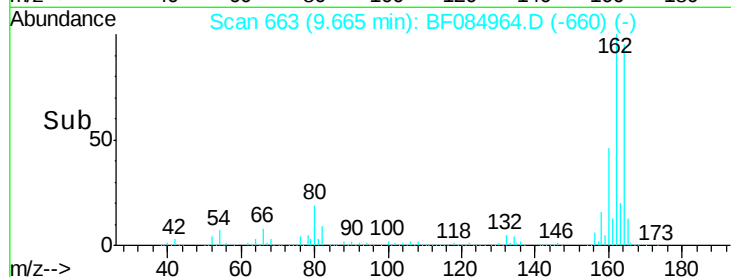
#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.26 min
 Lab File: BF084964.D
 Acq: 9 Feb 2016 20:53

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)DL

Tgt Ion:165 Resp: 38002
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.7 55.1#
 89 1.5 61.9 92.9#
 182 0.0 2.0 3.0#

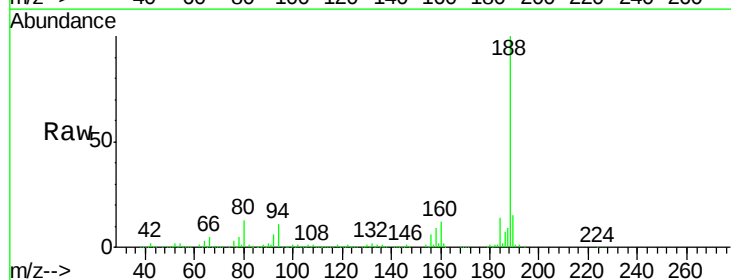


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

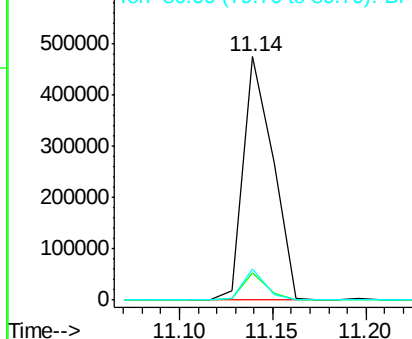
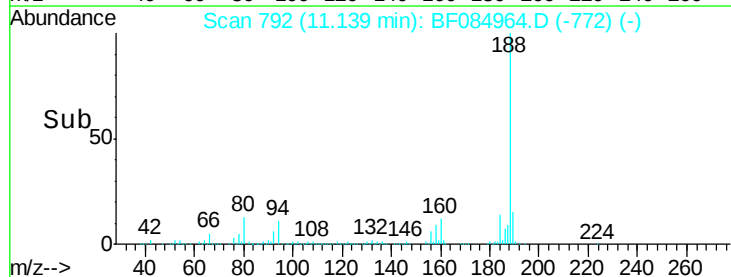


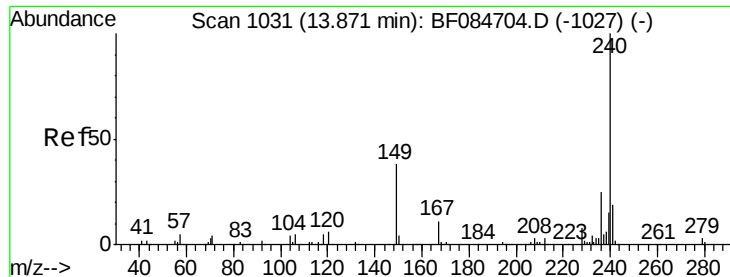
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 792
 Delta R.T. -0.07 min
 Lab File: BF084964.D
 Acq: 9 Feb 2016 20:53

Tgt Ion:188 Resp: 525728
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.0 13.4
 80 12.7 9.6 14.4



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: 20.00 ng

RT: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)DL

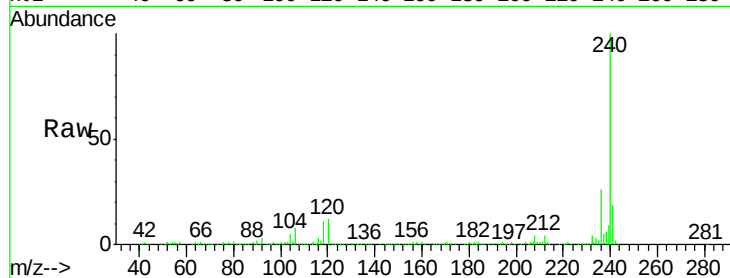
Tgt Ion:240 Resp: 421248

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

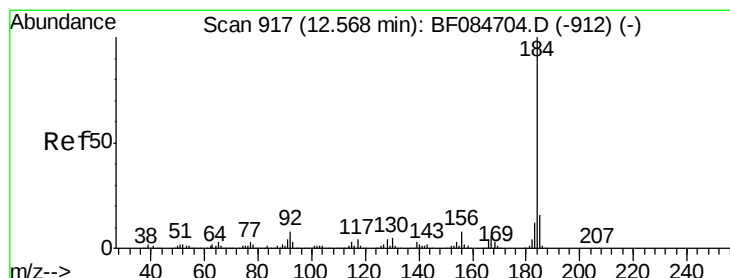
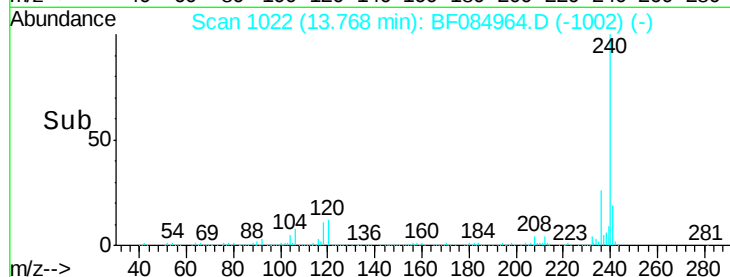
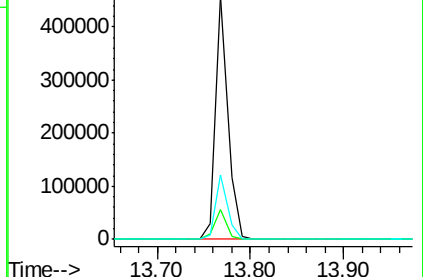
236 26.3 20.6 31.0



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: 6.94 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.18 min

Lab File: BF084964.D

Acq: 9 Feb 2016 20:53

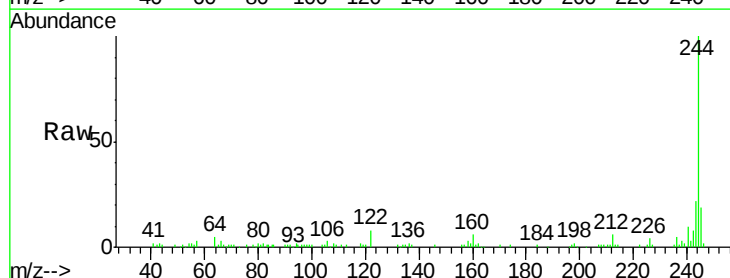
Tgt Ion:184 Resp: 993

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

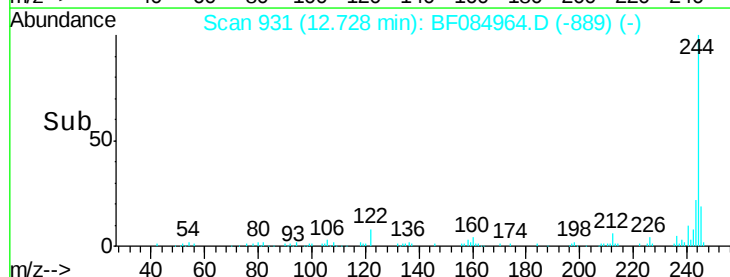
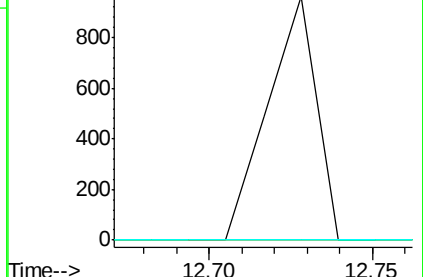
183 0.0 9.8 14.8#

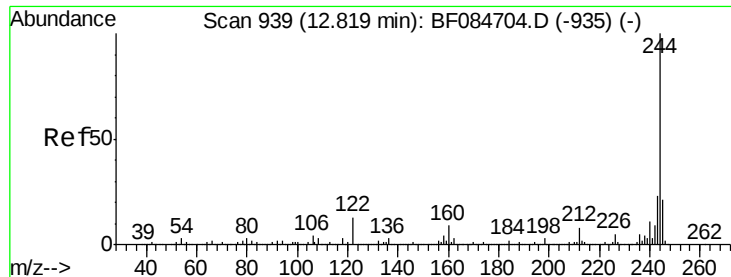


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

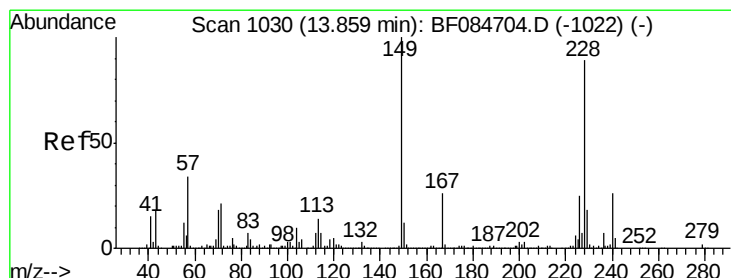
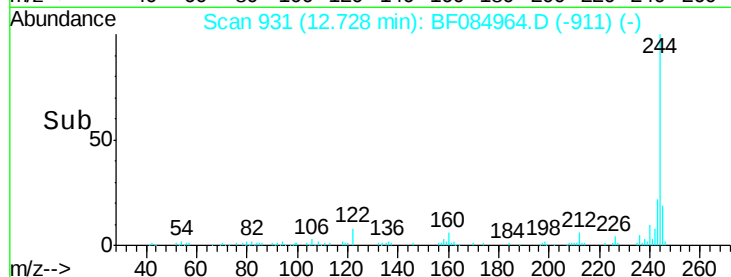
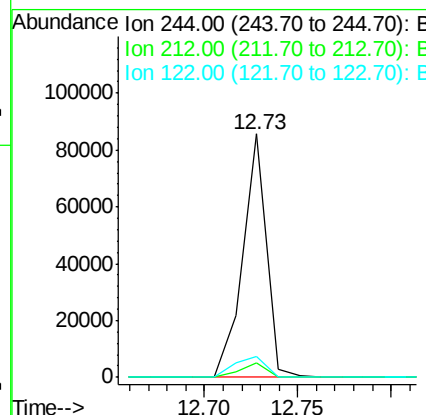
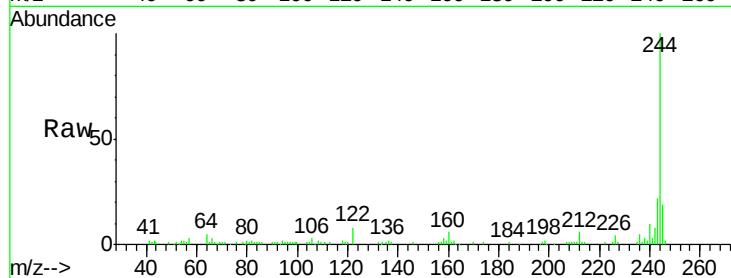




#78
 Terphenyl-d14
 Concen: 4.09 ng
 RT: 12.73 min Scan# 931
 Delta R.T. -0.07 min
 Lab File: BF084964.D
 Acq: 9 Feb 2016 20:53

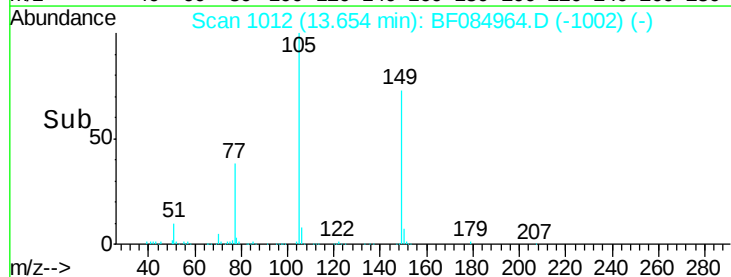
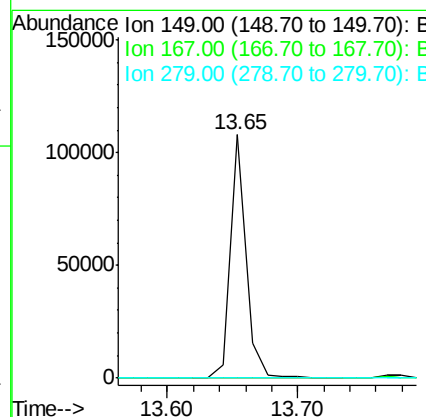
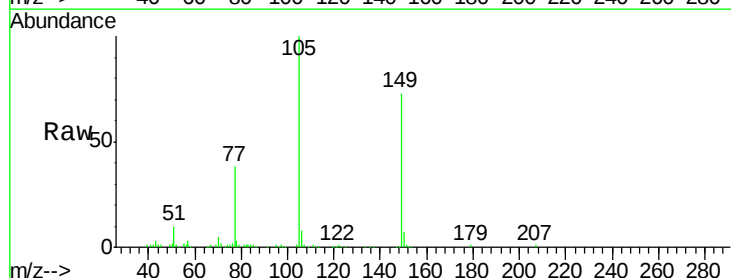
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)DL

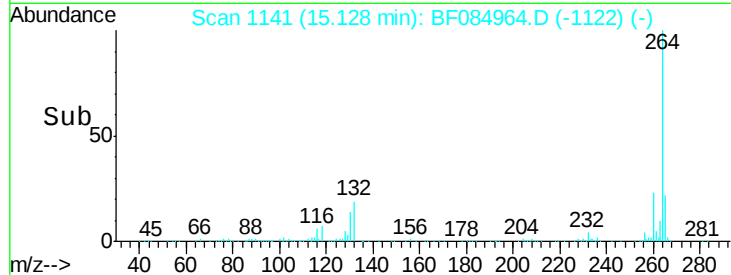
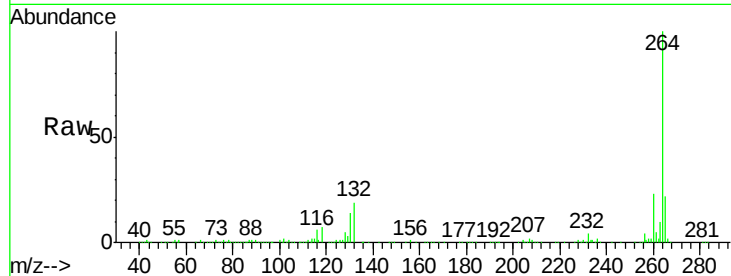
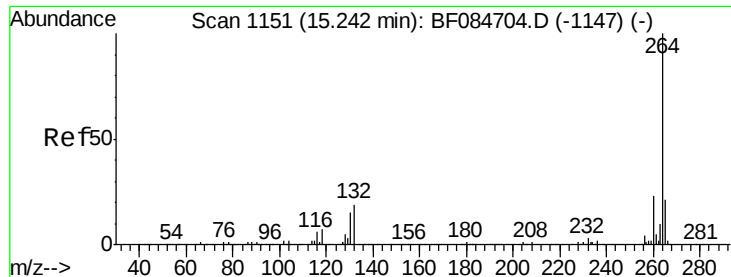
Tgt Ion:244 Resp: 76064
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.7 8.5
 122 8.4 7.4 11.0



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.99 ng
 RT: 13.65 min Scan# 1012
 Delta R.T. -0.18 min
 Lab File: BF084964.D
 Acq: 9 Feb 2016 20:53

Tgt Ion:149 Resp: 90909
 Ion Ratio Lower Upper
 149 100
 167 0.0 19.7 29.5#
 279 0.0 1.8 2.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.08 min
Lab File: BF084964.D
Acq: 9 Feb 2016 20:53

Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)DL

Tgt Ion:	264	Resp:	294575
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.4	29.2
265	22.0	17.8	26.6

