

Data Path : Z:\HPCHEM1\BNA_F\Data\BF071415\
 Data File : BF080479.D
 Acq On : 15 Jul 2015 8:10
 Operator : TP/UM
 Sample : PB84497BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB84497BL

Quant Time: Jul 15 08:44:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 15 03:58:42 2015
 Response via : Initial Calibration

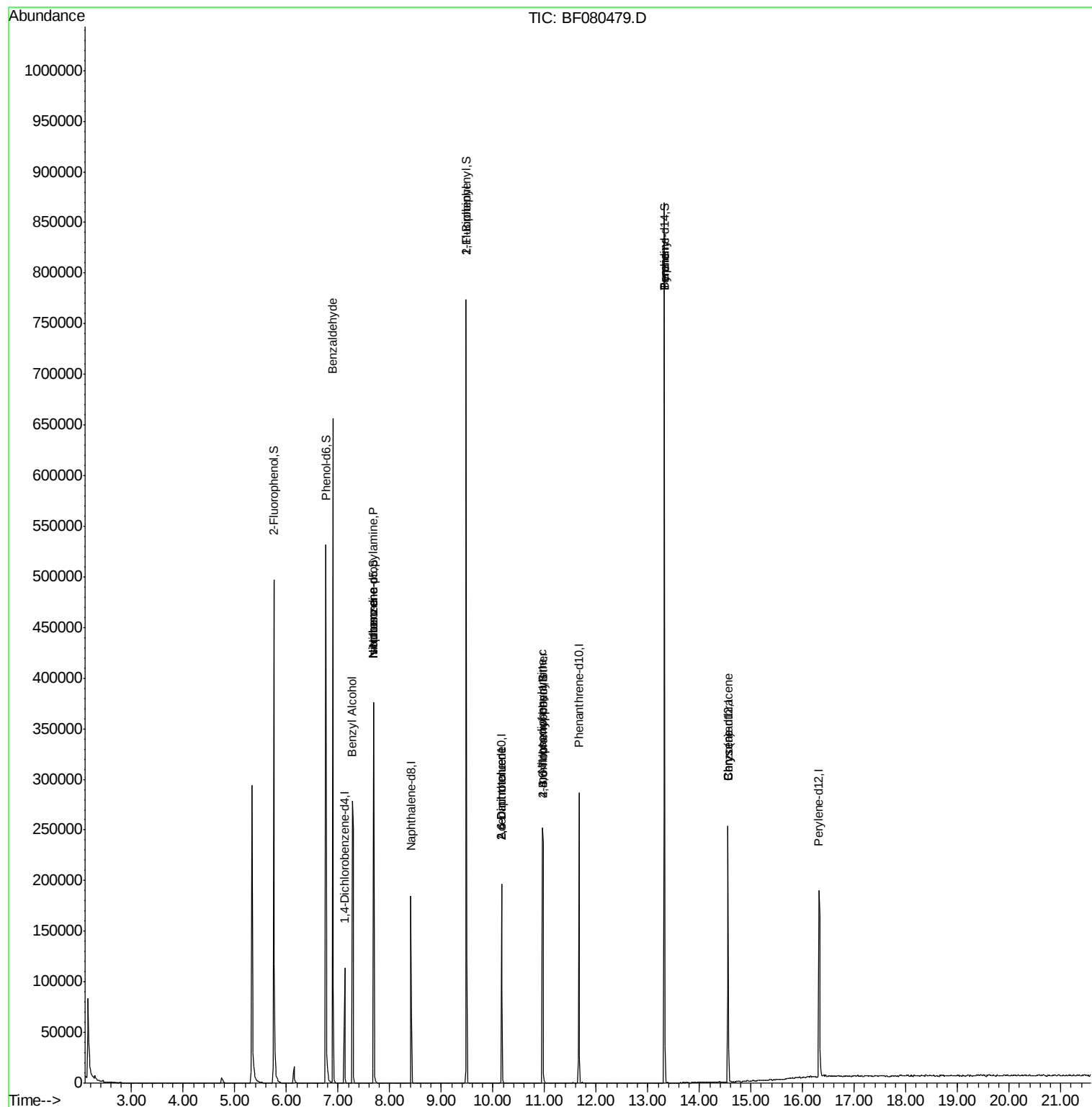
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	20348	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	87703	20.00	ng	0.00
38) Acenaphthene-d10	10.17	164	43114	20.00	ng	-0.01
63) Phenanthrene-d10	11.66	188	97912	20.00	ng	0.00
75) Chrysene-d12	14.56	240	103641	20.00	ng	0.08
86) Perylene-d12	16.32	264	108755	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	136780	109.87	ng	0.00
7) Phenol-d6	6.76	99	182527	119.81	ng	-0.01
23) Nitrobenzene-d5	7.69	82	107523	67.11	ng	0.00
41) 2,4,6-Tribromophenol	10.97	330	37956	93.14	ng	0.00
44) 2-Fluorobiphenyl	9.48	172	216505	68.80	ng	0.00
78) Terphenyl-d14	13.32	244	291490	67.79	ng	0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.90	77	3509	3.77	ng	# 70
15) Benzyl Alcohol	7.28	79	1616	1.48	ng	# 42
19) n-Nitroso-di-n-propylamine	7.69	70	13560	13.14	ng	# 80
24) Nitrobenzene	7.69	77	261	0.15	ng	# 41
25) Isophorone	7.69	82	107521	36.35	ng	# 71
45) 1,1'-Biphenyl	9.48	154	413	0.11	ng	# 1
50) 2,6-Dinitrotoluene	10.17	165	5461	7.43	ng	# 20
56) 2,4-Dinitrotoluene	10.17	165	5461	6.56	ng	# 38
65) n-Nitrosodiphenylamine	10.96	169	1241	0.39	ng	# 30
66) 4-Bromophenyl-phenylether	10.97	248	2717	2.78	ng	# 1
76) Benzydine	13.32	184	3772	1.23	ng	97
77) Pyrene	13.32	202	935	0.15	ng	# 45
80) Benzo(a)anthracene	14.56	228	211	0.03	ng	# 52
82) Chrysene	14.56	228	211	0.04	ng	# 51

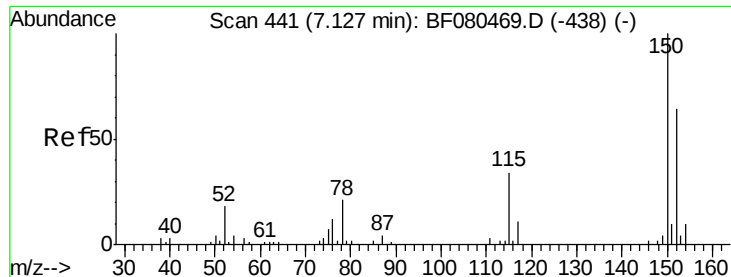
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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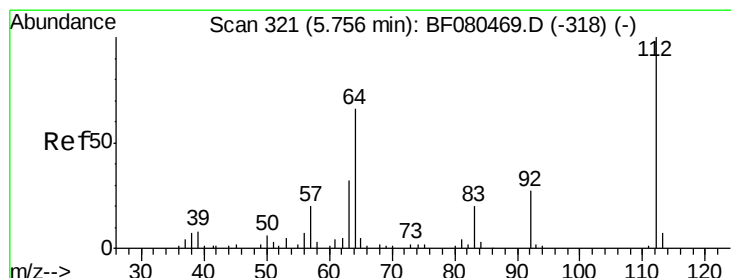
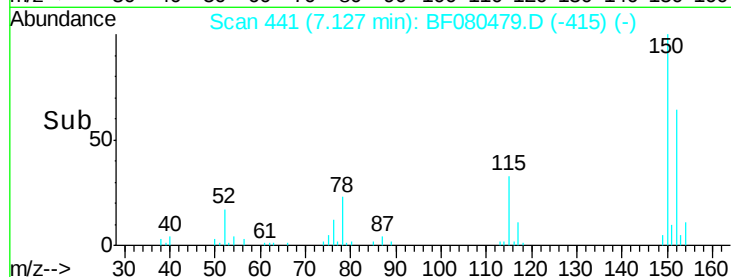
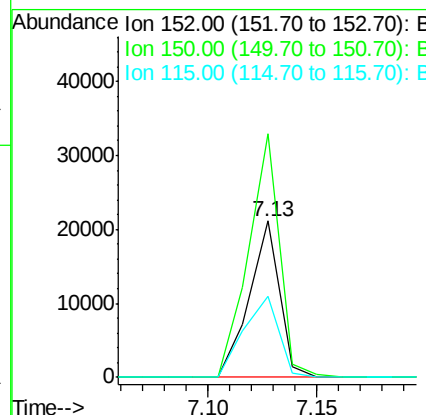
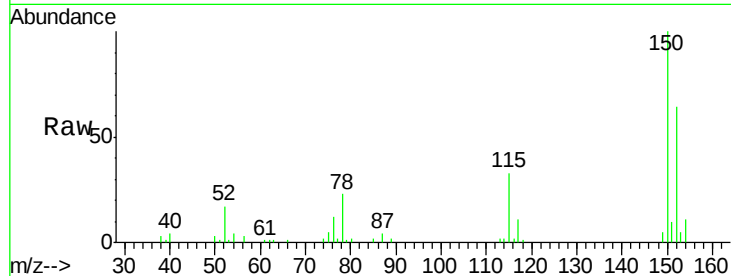




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

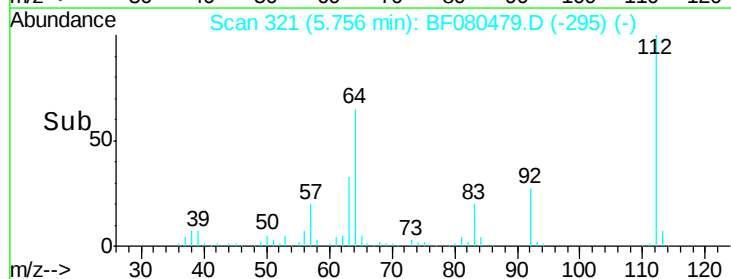
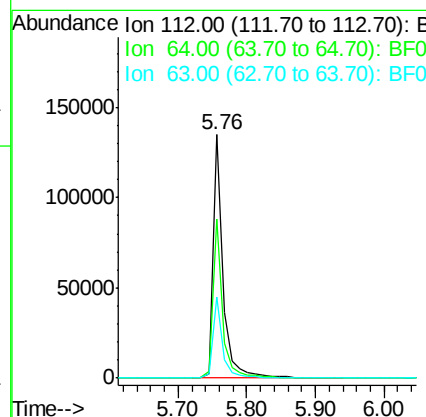
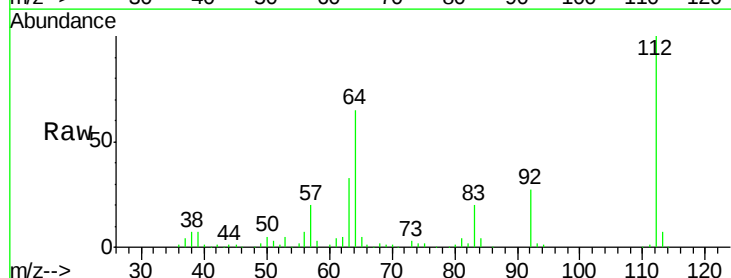
Instrument :
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 ClientSampleId :
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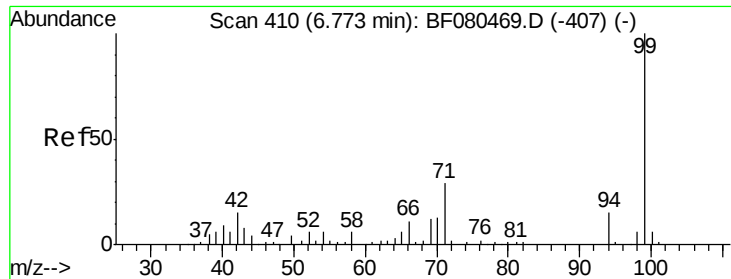
Tgt Ion:152 Resp: 20348
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.5 188.3
 115 51.7 42.9 64.3



#5
 2-Fluorophenol
 Concen: 109.87 ng
 RT: 5.76 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

Tgt Ion:112 Resp: 136780
 Ion Ratio Lower Upper
 112 100
 64 65.4 52.6 79.0
 63 33.1 25.9 38.9





#7

Phenol-d6

Concen: 119.81 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

Instrument :

BNA_F

ClientSampled :

PB84497BL

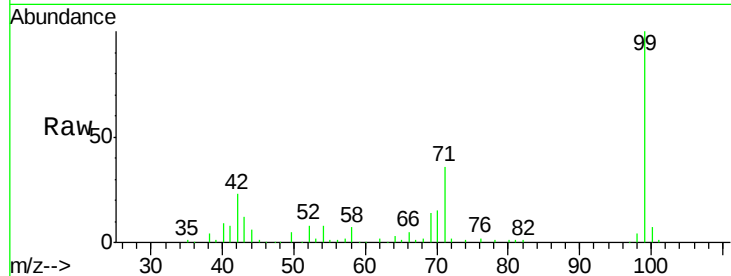
Tgt Ion: 99 Resp: 182527

Ion Ratio Lower Upper

99 100

42 23.1 12.4 18.6#

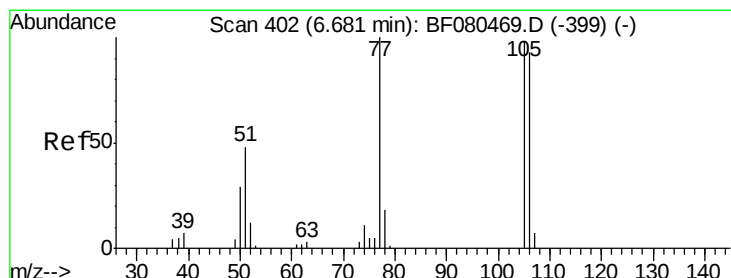
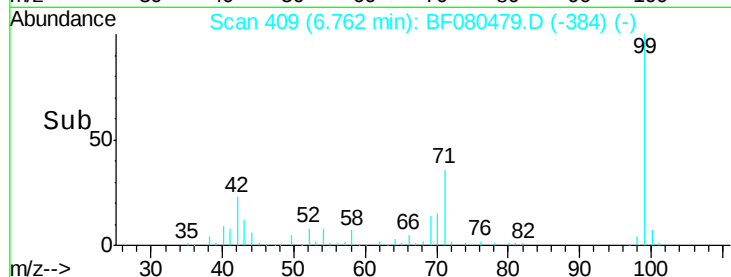
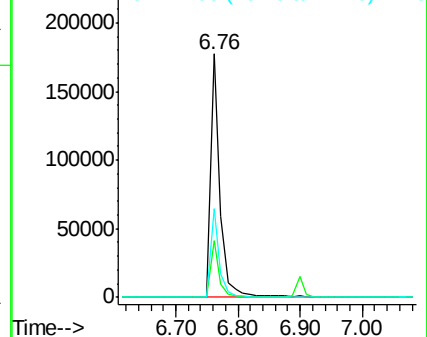
71 36.2 22.9 34.3#



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



#9

Benzaldehyde

Concen: 3.77 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.22 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

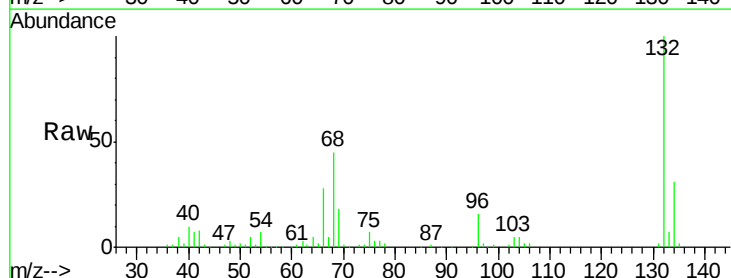
Tgt Ion: 77 Resp: 3509

Ion Ratio Lower Upper

77 100

105 67.3 77.7 117.7#

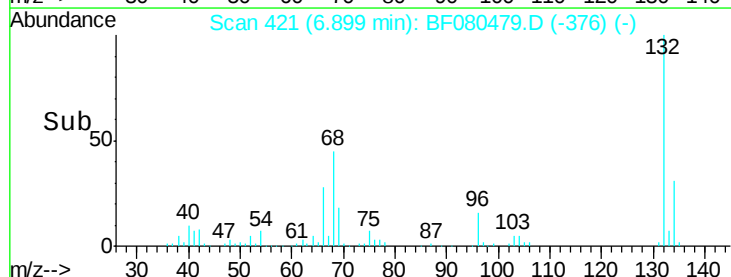
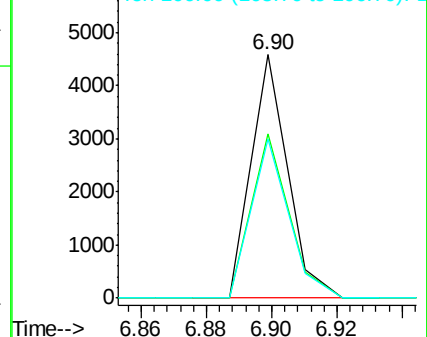
106 65.1 72.6 112.6#

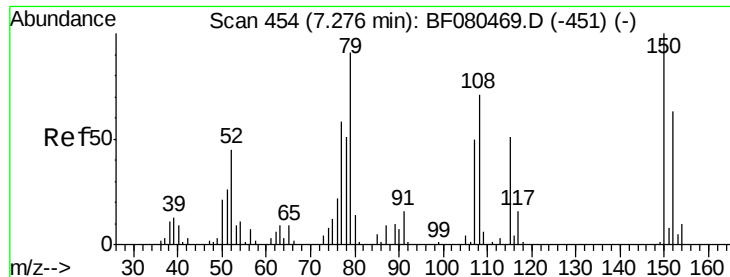


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

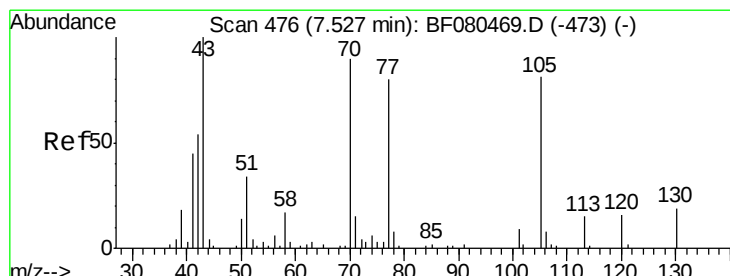
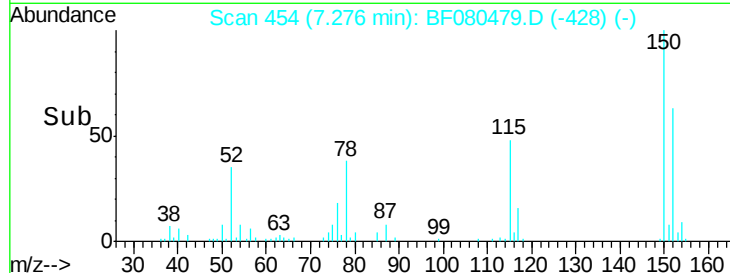
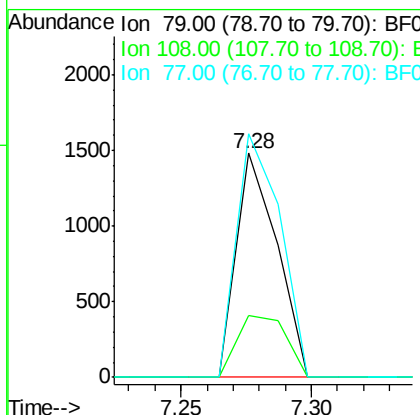
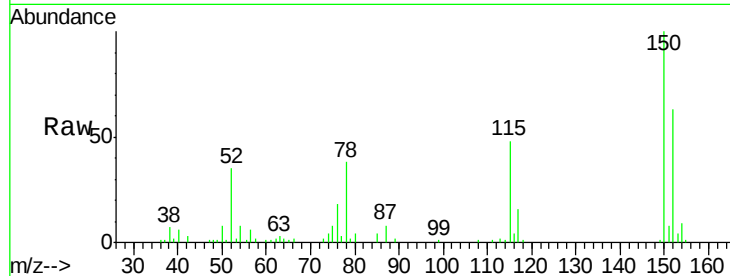




#15
Benzyl Alcohol
Concen: 1.48 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF080479.D
Acq: 15 Jul 2015 8:10

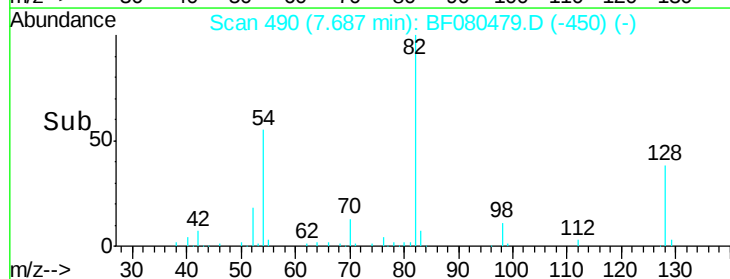
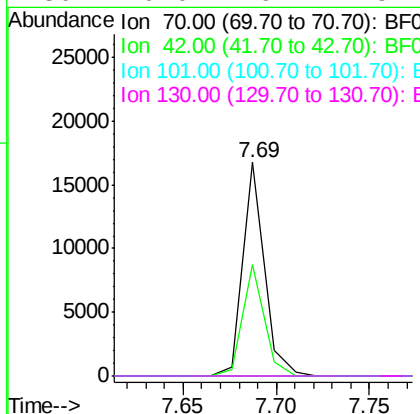
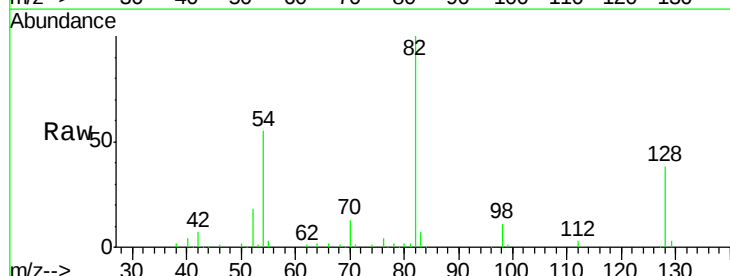
Instrument :
BNA_F
ClientSampleId :
PB84497BL

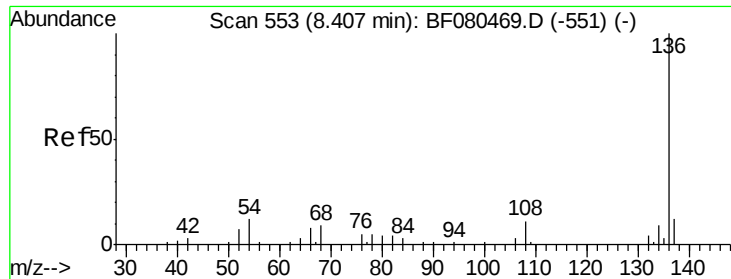
Tgt Ion: 79 Resp: 1616
Ion Ratio Lower Upper
79 100
108 27.9 63.0 94.4#
77 108.6 51.1 76.7#



#19
n-Nitroso-di-n-propylamine
Concen: 13.14 ng
RT: 7.69 min Scan# 490
Delta R.T. 0.16 min
Lab File: BF080479.D
Acq: 15 Jul 2015 8:10

Tgt Ion: 70 Resp: 13560
Ion Ratio Lower Upper
70 100
42 52.3 48.0 72.0
101 0.0 7.8 11.6#
130 0.0 16.7 25.1#

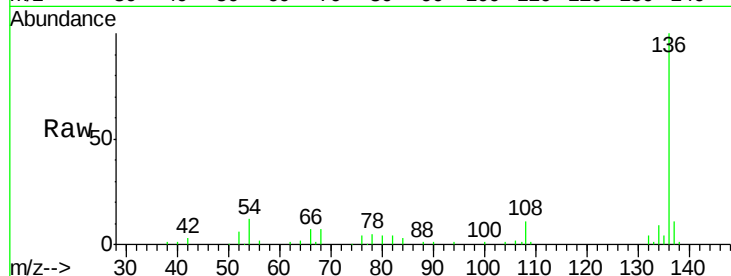




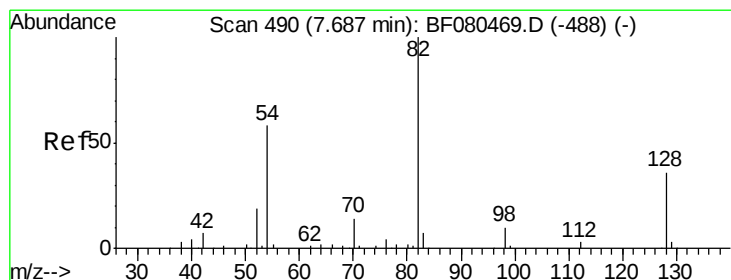
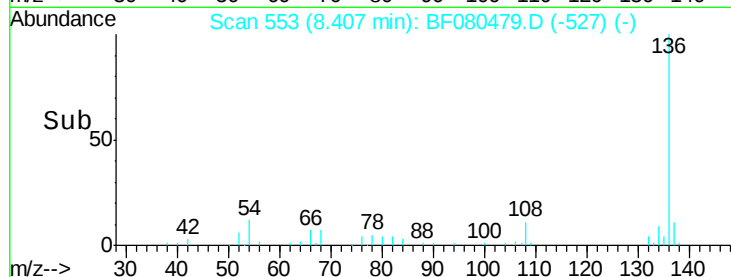
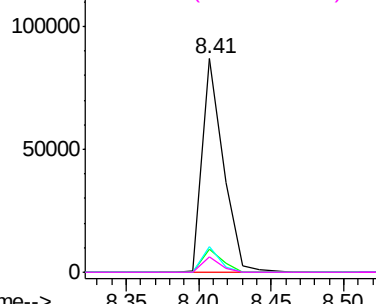
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.41 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF080479.D
Acq: 15 Jul 2015 8:10

Instrument :
BNA_F
ClientSampleId :
PB84497BL

Tgt Ion:	136	Resp:	87703
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.5	14.3
54	11.8	9.8	14.8
68	7.3	7.0	10.4

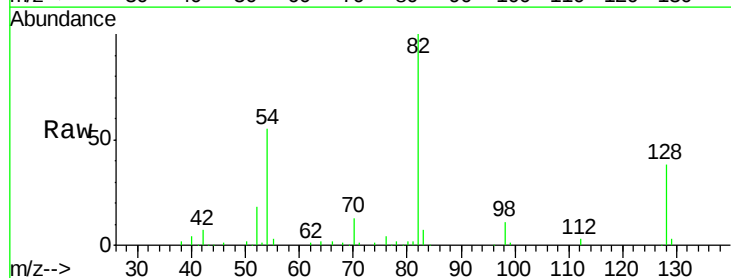


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

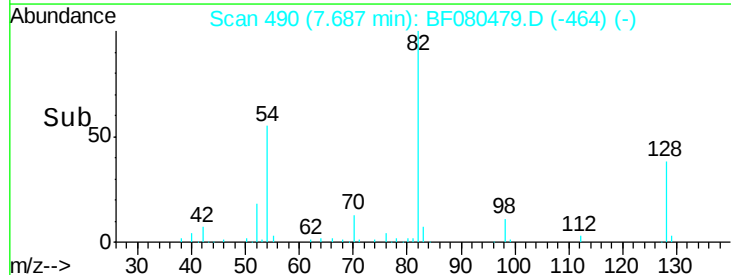
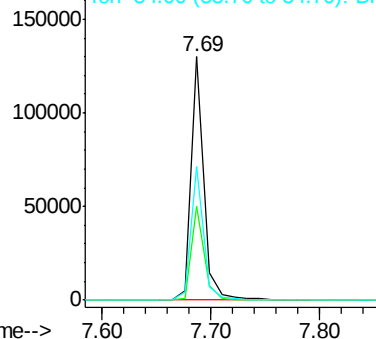


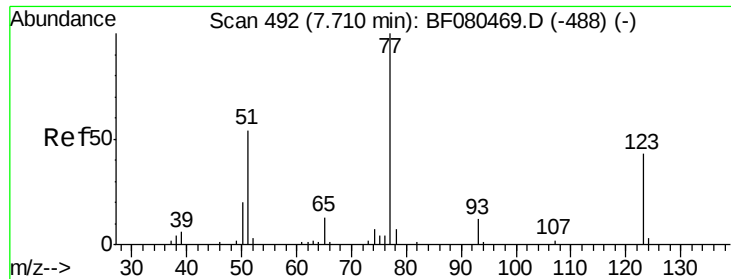
#23
Nitrobenzene-d5
Concen: 67.11 ng
RT: 7.69 min Scan# 490
Delta R.T. 0.00 min
Lab File: BF080479.D
Acq: 15 Jul 2015 8:10

Tgt Ion:	82	Resp:	107523
Ion	Ratio	Lower	Upper
82	100		
128	38.4	29.0	43.4
54	55.0	46.4	69.6



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

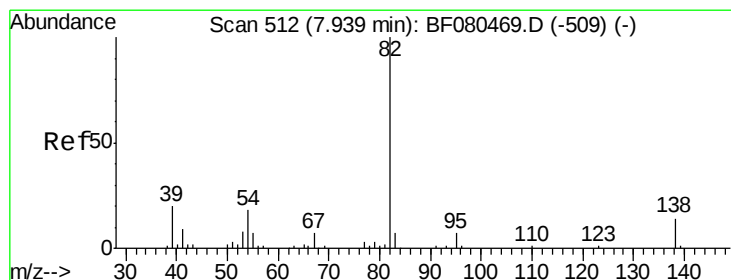
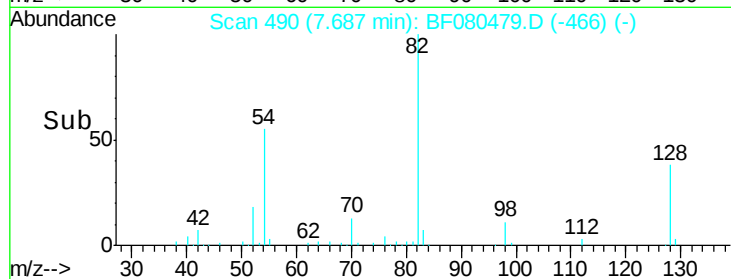
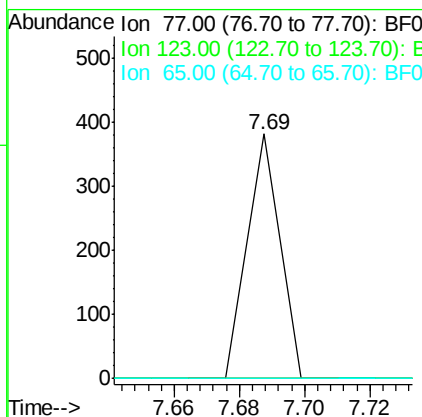
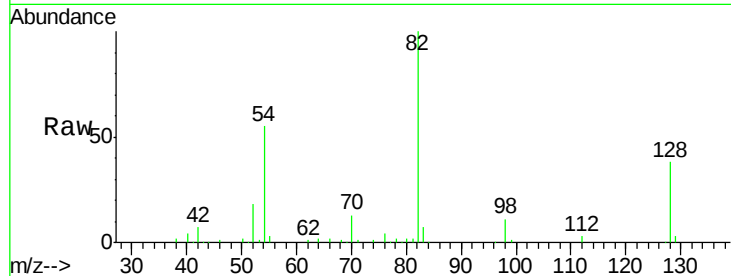




#24
 Nitrobenzene
 Concen: 0.15 ng
 RT: 7.69 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

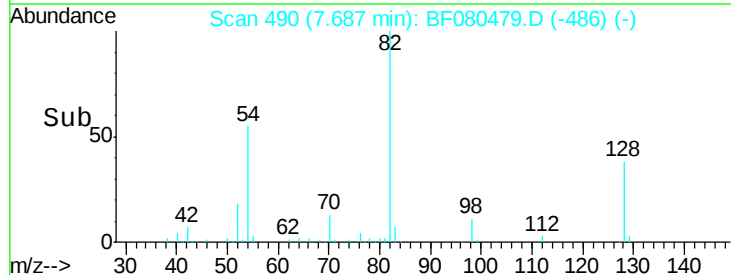
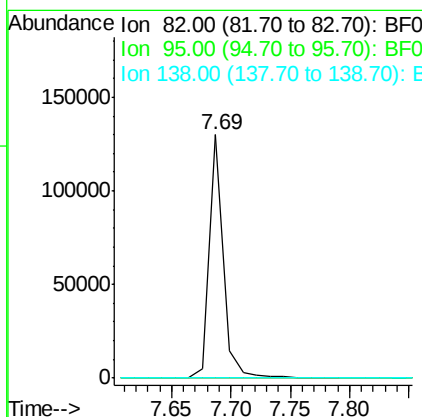
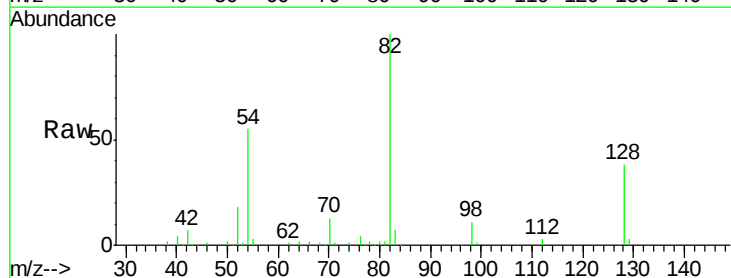
Instrument :
 BNA_F
 ClientSampleID :
 PB84497BL

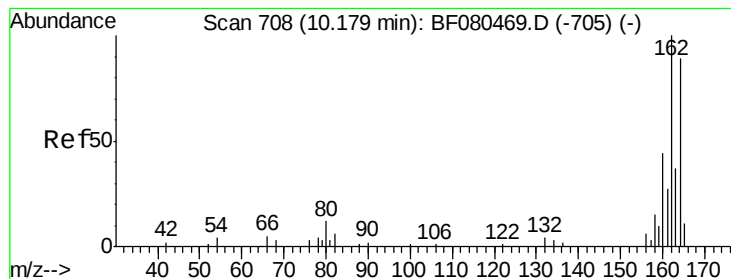
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.6	51.8#
65	0.0	10.2	15.2#



#25
 Isophorone
 Concen: 36.35 ng
 RT: 7.69 min Scan# 490
 Delta R.T. -0.25 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	10.8	16.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

Instrument :

BNA_F

ClientSampleId :

PB84497BL

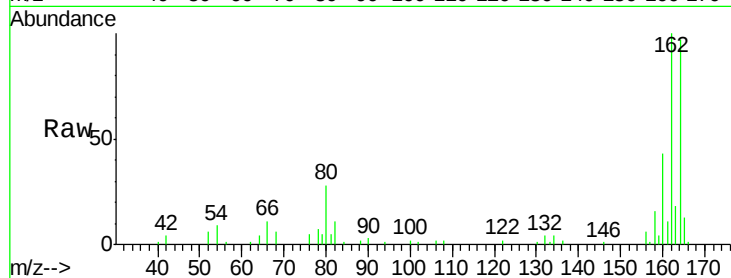
Tgt Ion:164 Resp: 43114

Ion Ratio Lower Upper

164 100

162 103.3 89.8 134.8

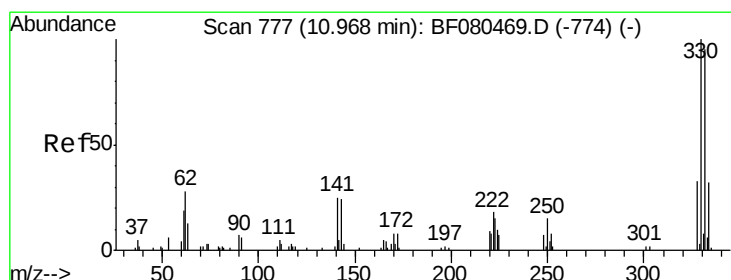
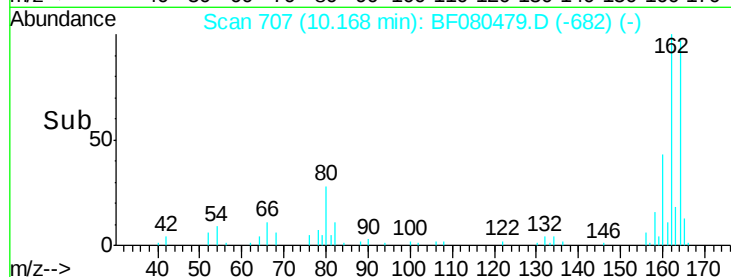
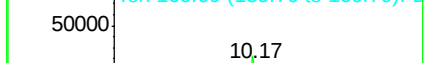
160 44.6 39.5 59.3



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: 93.14 ng

RT: 10.97 min Scan# 777

Delta R.T. 0.00 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

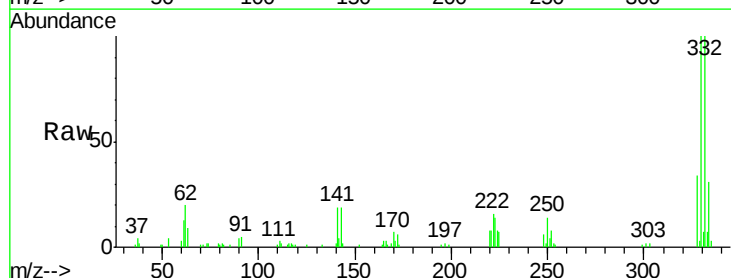
Tgt Ion:330 Resp: 37956

Ion Ratio Lower Upper

330 100

332 99.5 76.2 114.4

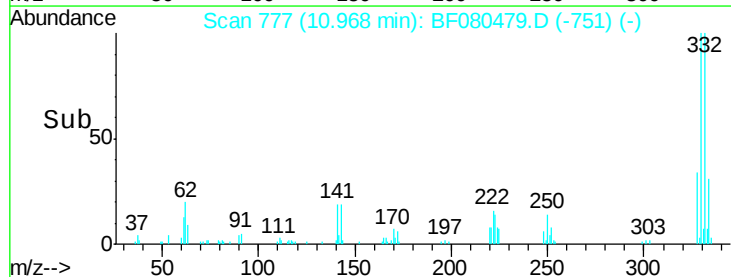
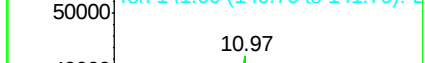
141 40.7 29.8 44.6

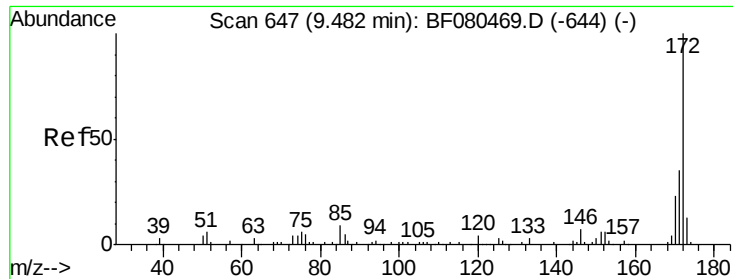


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

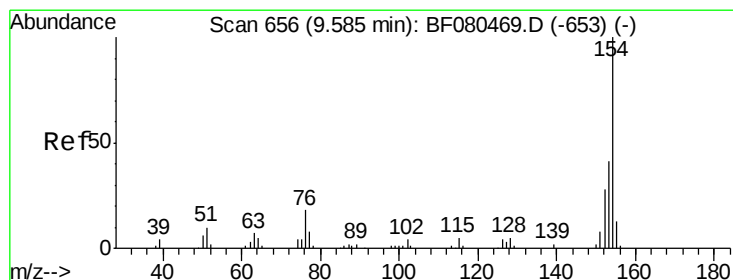
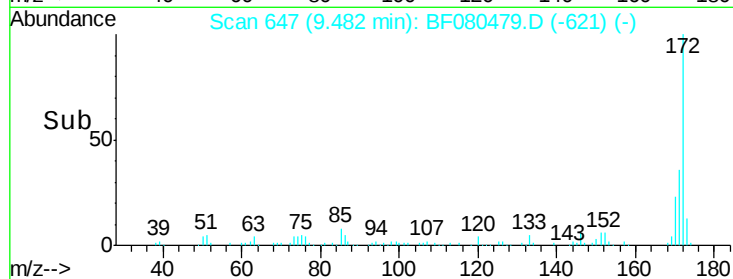
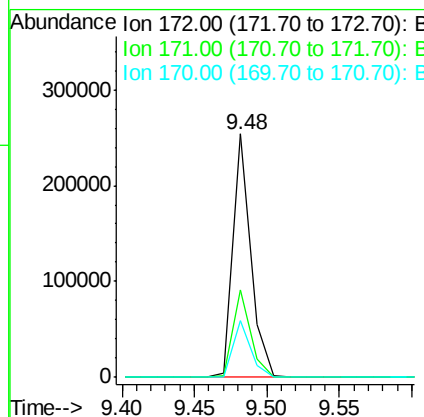
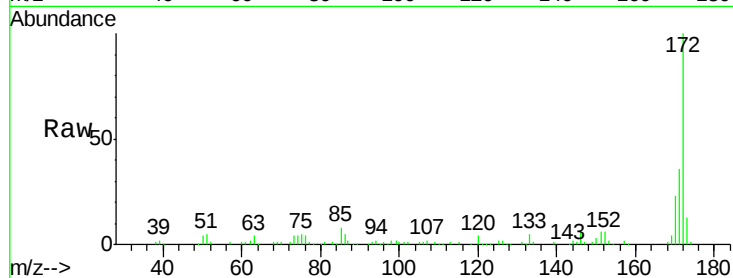




#44
 2-Fluorobiphenyl
 Concen: 68.80 ng
 RT: 9.48 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

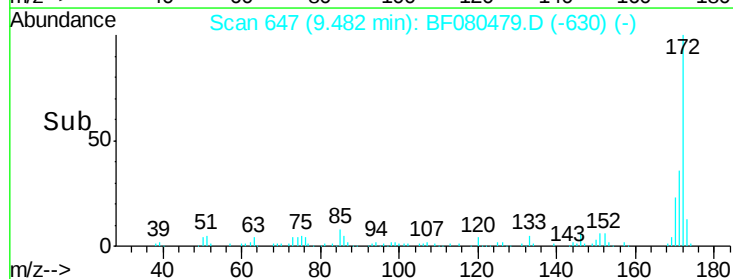
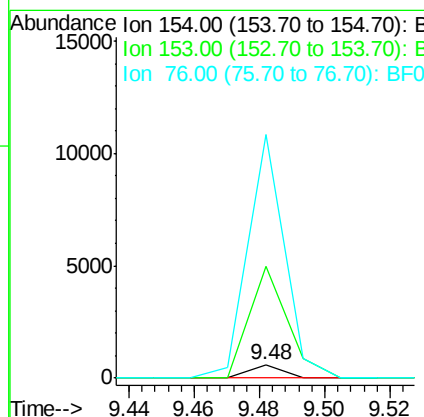
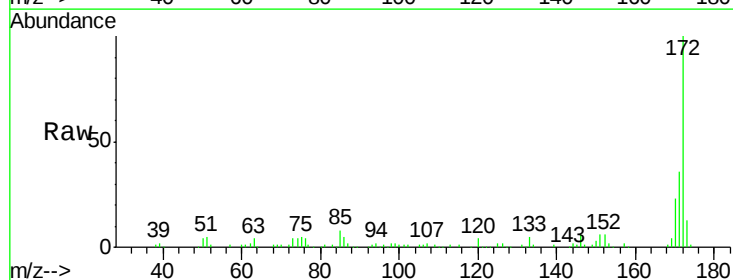
Instrument :
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 ClientSampleId :
 PB84497BL

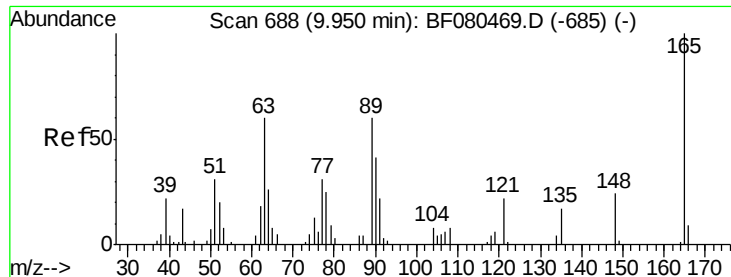
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.9	41.9
170	23.2	18.5	27.7



#45
 1,1'-Biphenyl
 Concen: 0.11 ng
 RT: 9.48 min Scan# 647
 Delta R.T. -0.10 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	823.1	20.8	60.8#
76	1800.0	0.0	37.7#





#50

2,6-Dinitrotoluene

Concen: 7.43 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.22 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

Instrument :

BNA_F

ClientSampleId :

PB84497BL

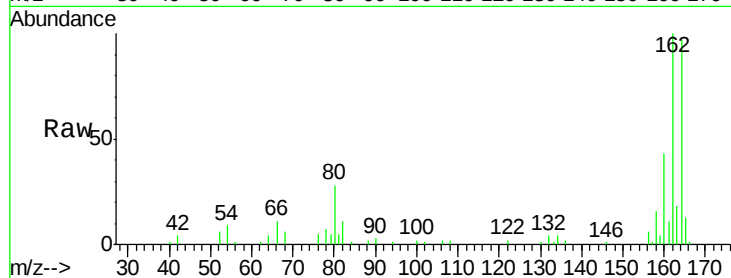
Tgt Ion:165 Resp: 5461

Ion Ratio Lower Upper

165 100

63 0.0 49.6 74.4#

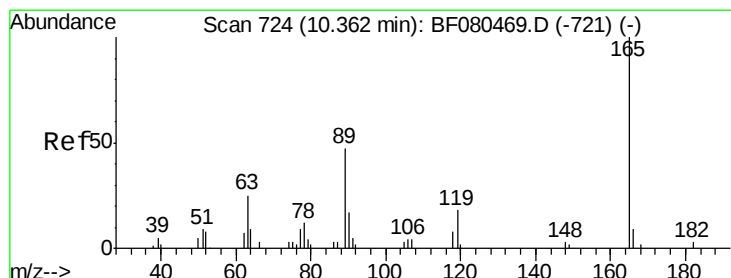
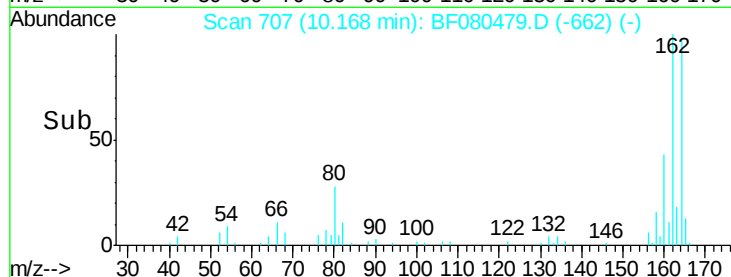
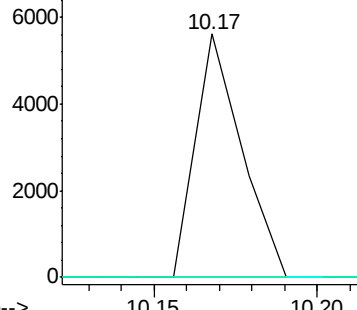
89 0.0 47.6 71.4#



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



#56

2,4-Dinitrotoluene

Concen: 6.56 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.19 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

Tgt Ion:165 Resp: 5461

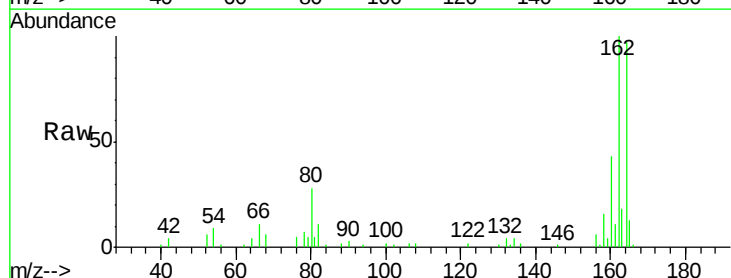
Ion Ratio Lower Upper

165 100

63 0.0 21.7 32.5#

89 0.0 37.4 56.2#

182 0.0 2.2 3.2#

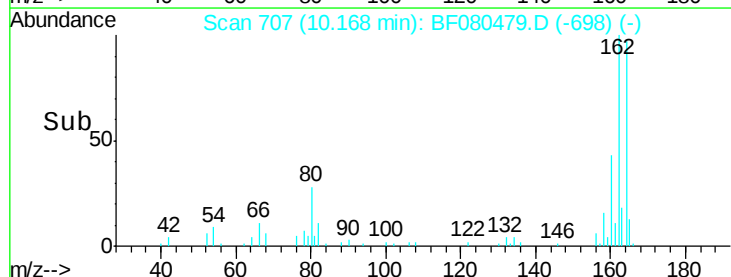
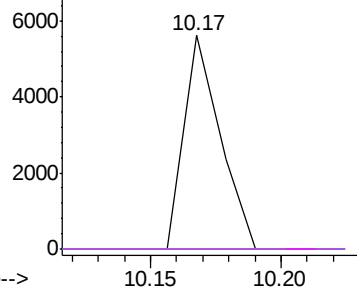


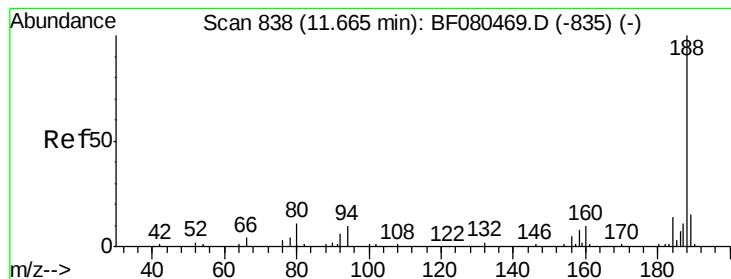
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.66 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

Instrument :

BNA_F

ClientSampleId :

PB84497BL

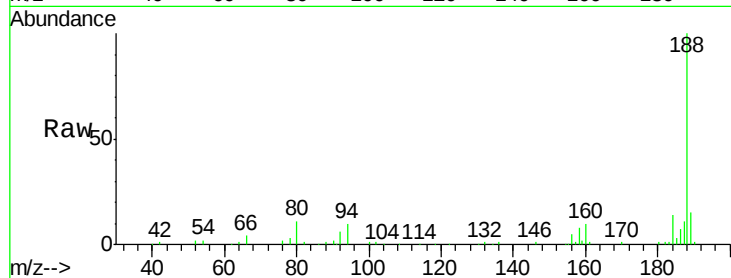
Tgt Ion:188 Resp: 97912

Ion Ratio Lower Upper

188 100

94 10.2 7.7 11.5

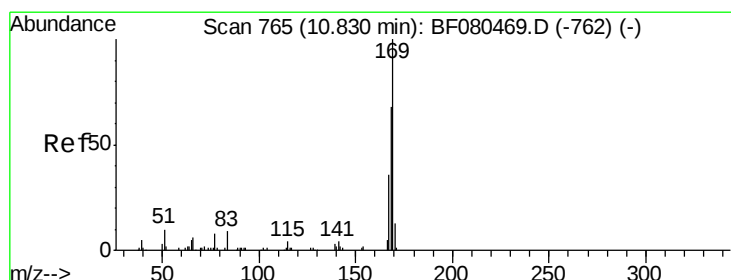
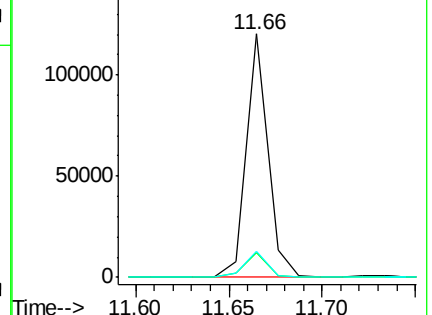
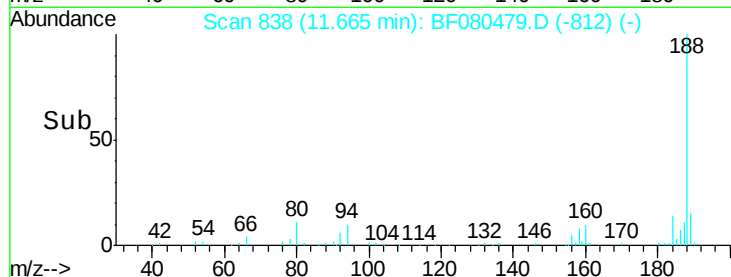
80 10.9 8.8 13.2



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



#65

n-Nitrosodiphenylamine

Concen: 0.39 ng

RT: 10.96 min Scan# 776

Delta R.T. 0.13 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

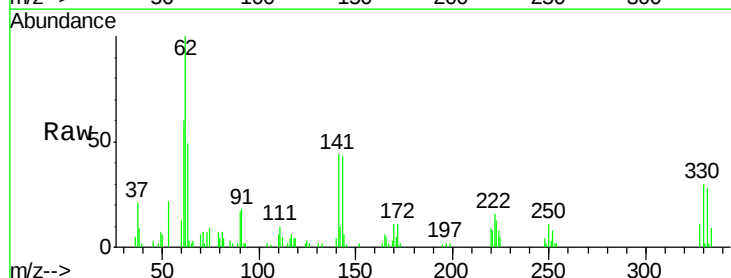
Tgt Ion:169 Resp: 1241

Ion Ratio Lower Upper

169 100

168 0.0 54.1 81.1#

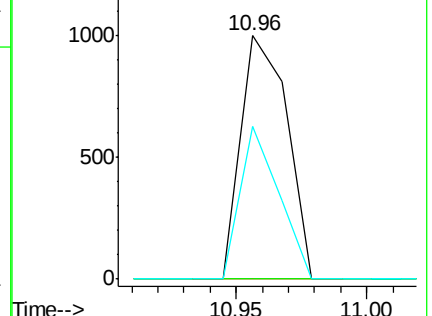
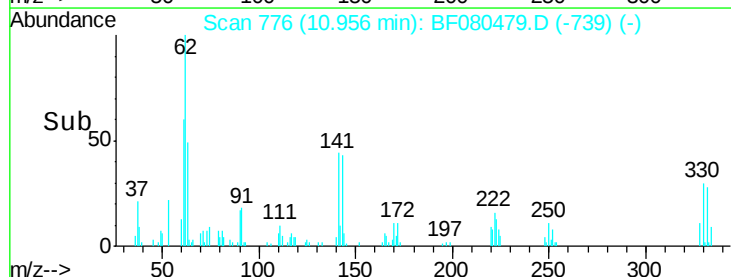
167 62.8 29.0 43.6#

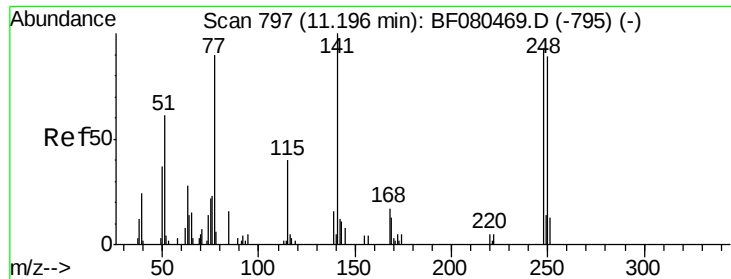


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

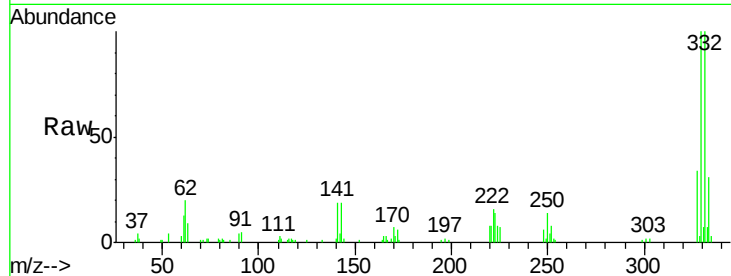




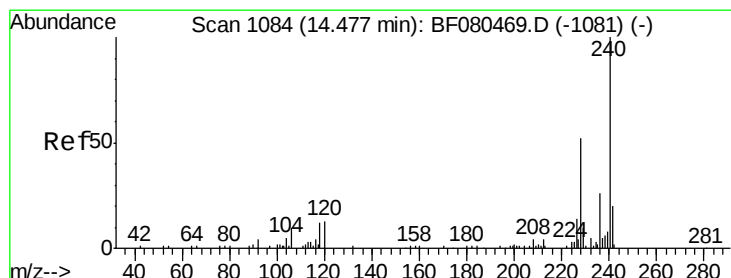
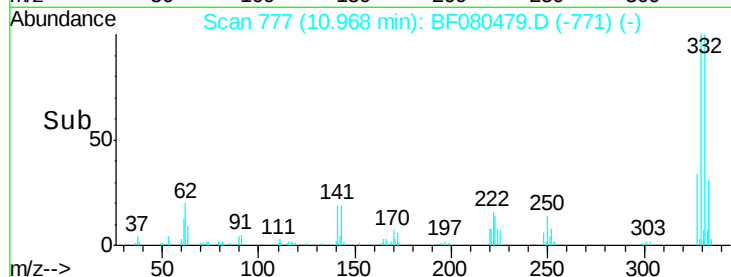
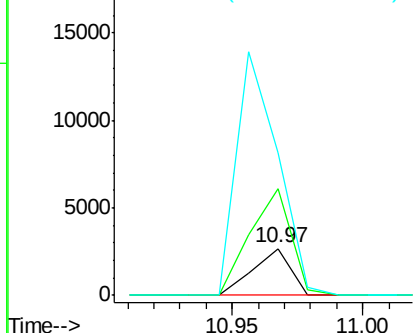
#66
 4-Bromophenyl-phenylether
 Concen: 2.78 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.23 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

Instrument :
 BNA_F
 ClientSampleId :
 PB84497BL

Tgt Ion: 248 Resp: 2717
 Ion Ratio Lower Upper
 248 100
 250 227.1 76.8 115.2#
 141 301.6 86.3 129.5#

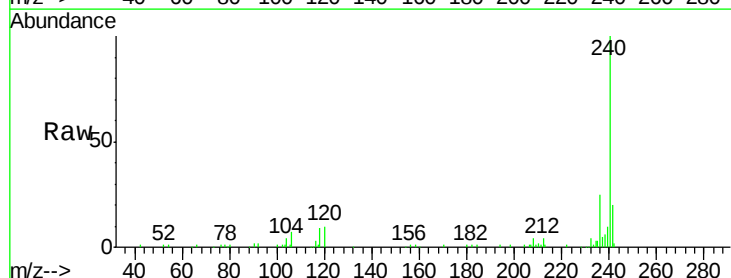


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

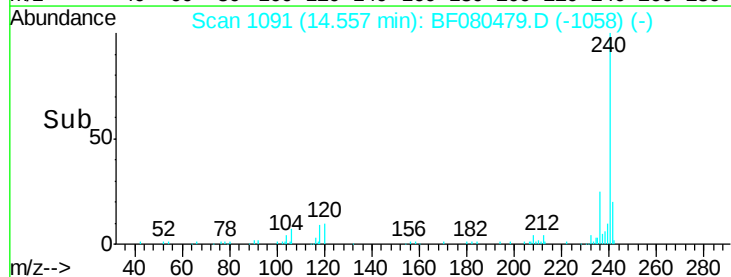
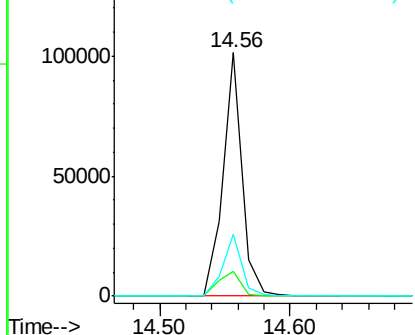


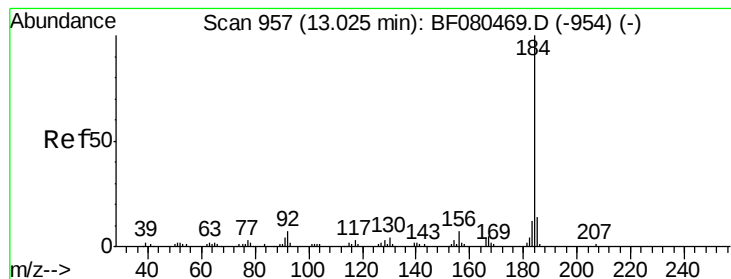
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. 0.08 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

Tgt Ion: 240 Resp: 103641
 Ion Ratio Lower Upper
 240 100
 120 9.9 10.2 15.4#
 236 25.4 20.6 30.8



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: 1.23 ng

RT: 13.32 min Scan# 983

Delta R.T. 0.30 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

Instrument :

BNA_F

ClientSampleId :

PB84497BL

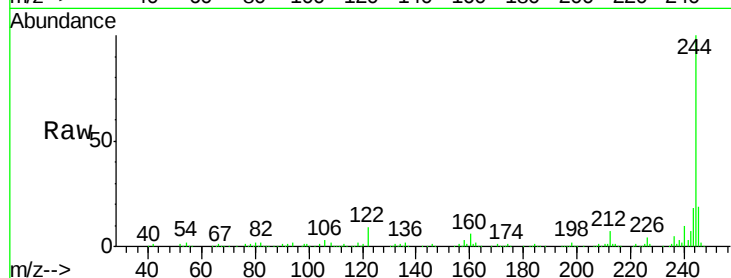
Tgt Ion:184 Resp: 3772

Ion Ratio Lower Upper

184 100

185 15.8 11.2 16.8

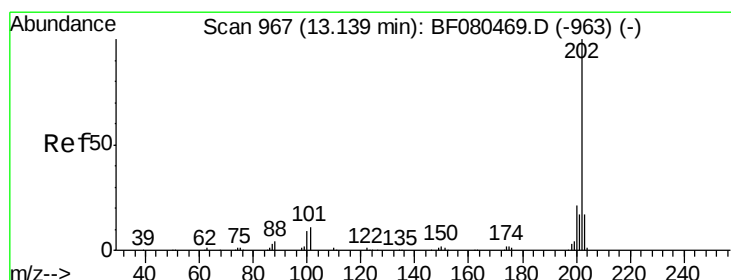
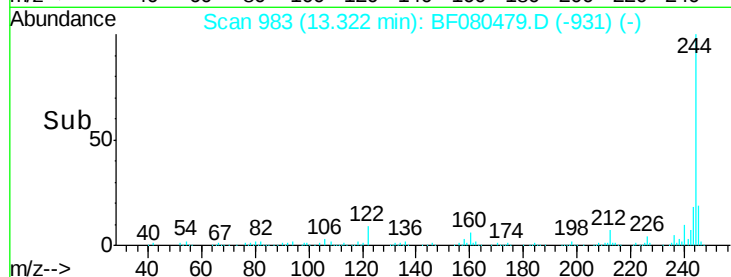
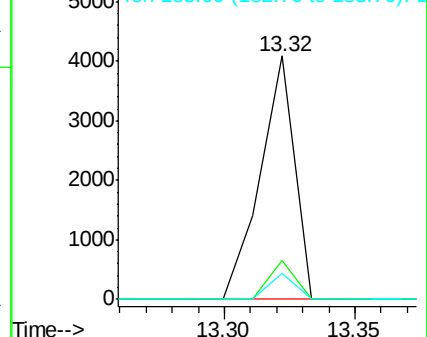
183 10.8 9.3 13.9



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

Pyrene

Concen: 0.15 ng

RT: 13.32 min Scan# 983

Delta R.T. 0.18 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

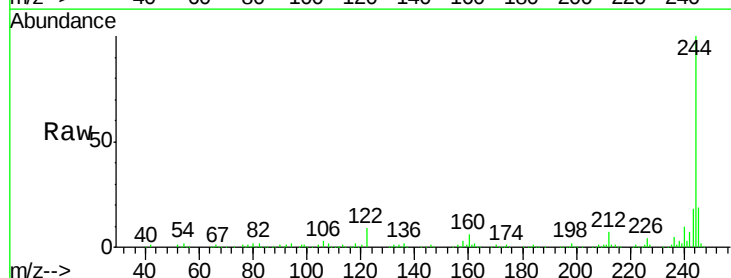
Tgt Ion:202 Resp: 935

Ion Ratio Lower Upper

202 100

200 52.5 16.6 24.8#

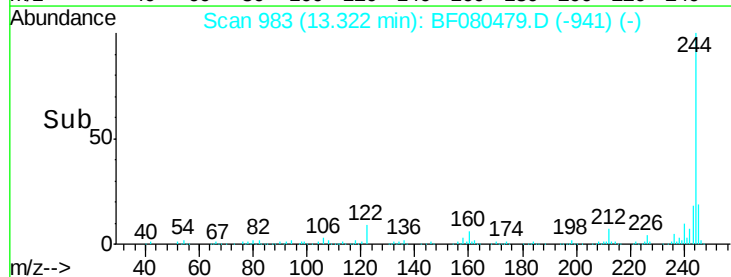
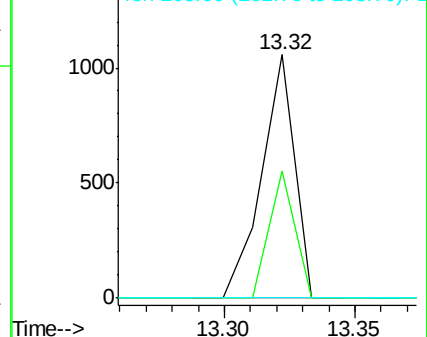
203 0.0 13.8 20.6#

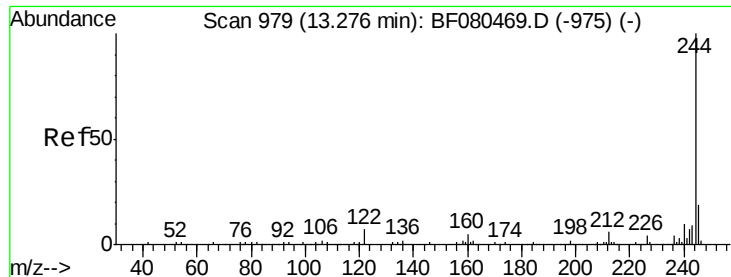


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

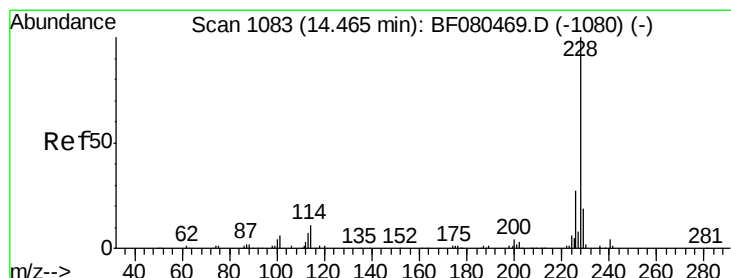
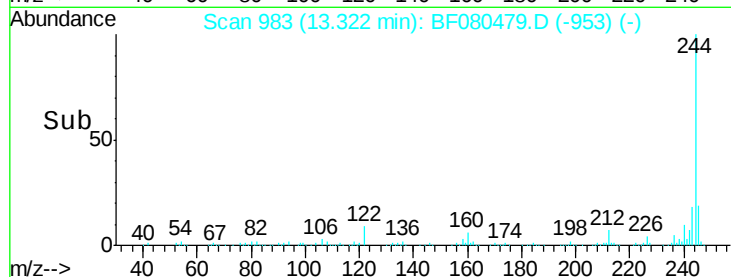
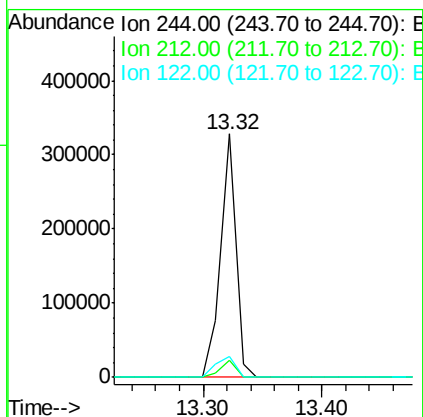
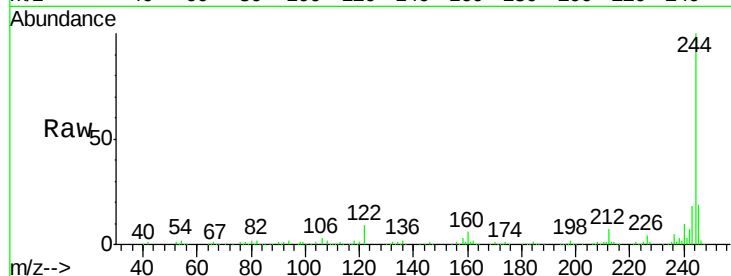




#78
 Terphenyl-d14
 Concen: 67.79 ng
 RT: 13.32 min Scan# 983
 Delta R.T. 0.05 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

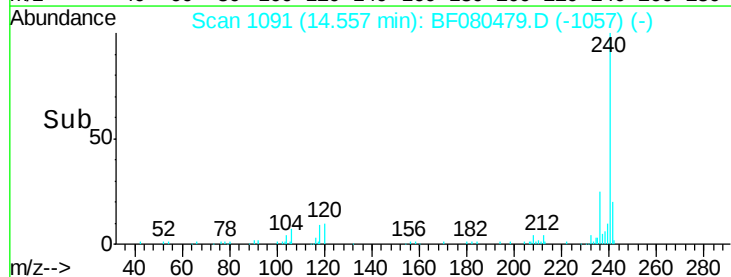
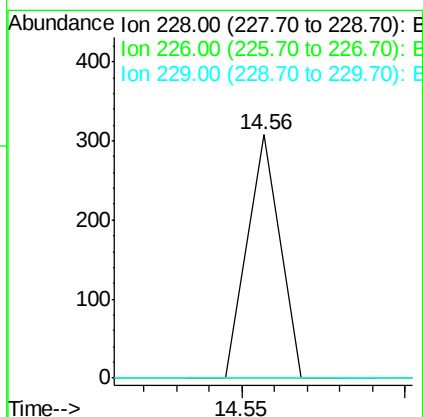
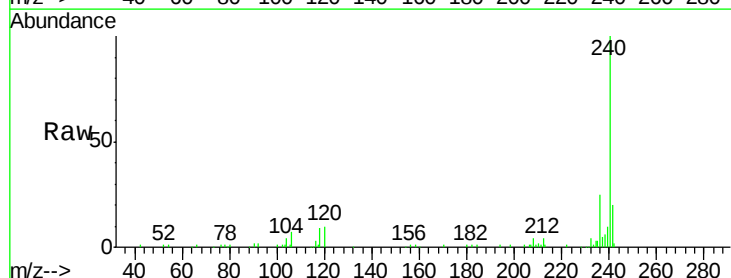
Instrument :
 BNA_F
 ClientSampleId :
 PB84497BL

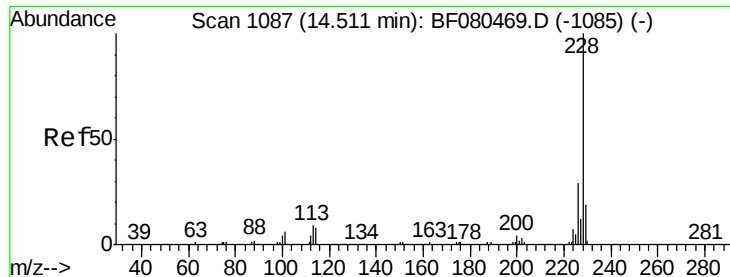
Tgt Ion: 244 Resp: 291490
 Ion Ratio Lower Upper
 244 100
 212 6.8 4.9 7.3
 122 8.7 5.2 7.8#



#80
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. 0.09 min
 Lab File: BF080479.D
 Acq: 15 Jul 2015 8:10

Tgt Ion: 228 Resp: 211
 Ion Ratio Lower Upper
 228 100
 226 0.0 21.8 32.8#
 229 0.0 15.3 22.9#





#82

Chrysene

Concen: 0.04 ng

RT: 14.56 min Scan# 1091

Delta R.T. 0.05 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

Instrument :

BNA_F

ClientSampleId :

PB84497BL

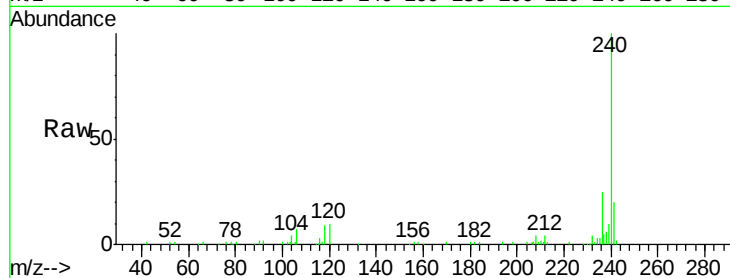
Tgt Ion:228 Resp: 211

Ion Ratio Lower Upper

228 100

226 0.0 23.1 34.7#

229 0.0 15.3 22.9#



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

14.56

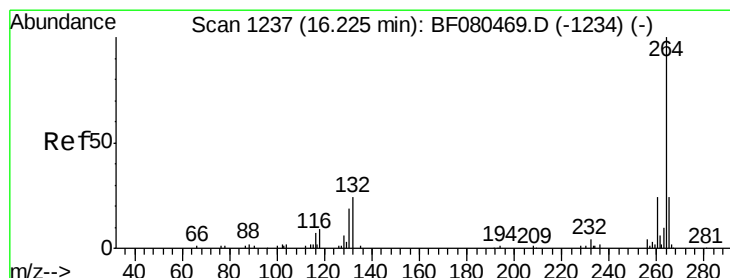
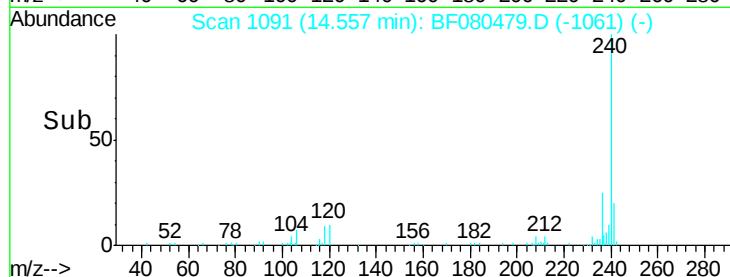
300

200

100

0

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.32 min Scan# 1245

Delta R.T. 0.09 min

Lab File: BF080479.D

Acq: 15 Jul 2015 8:10

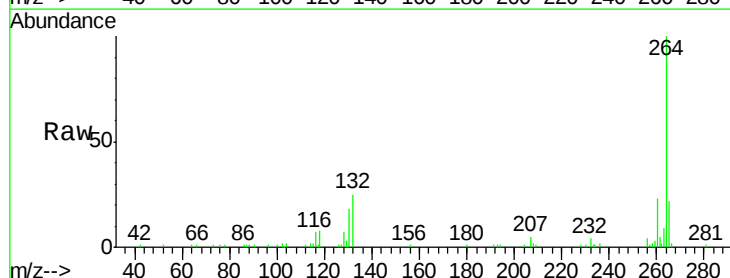
Tgt Ion:264 Resp: 108755

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.7 18.9 28.3



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

16.32

80000

60000

40000

20000

0

Time-->

