

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051415\
 Data File : BF079262.D
 Acq On : 15 May 2015 8:28
 Operator : TP/IZ
 Sample : G2231-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9797-B

Quant Time: May 15 13:50:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

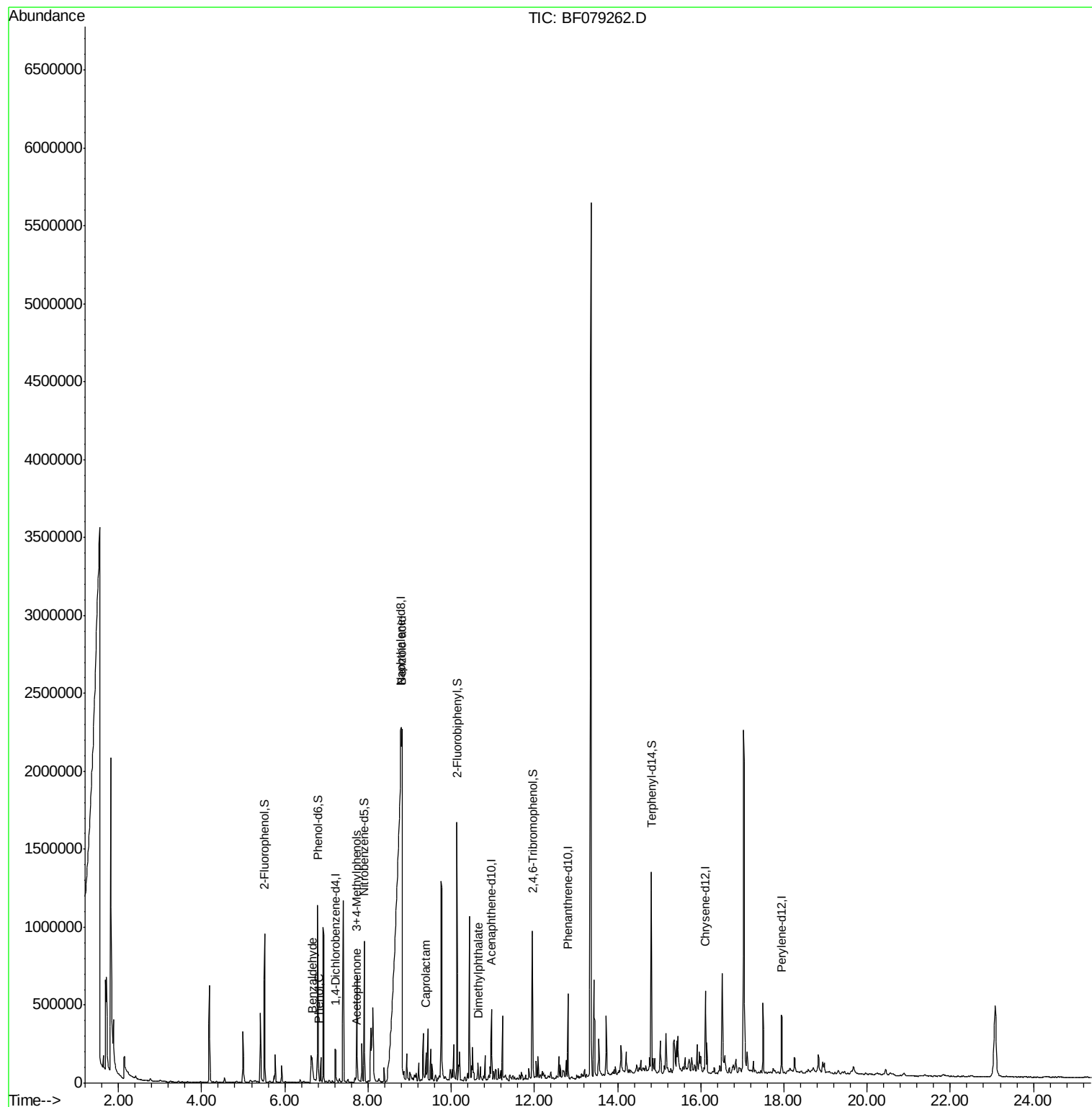
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	48256	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	189216	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	103089	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	203239	20.00	ng	-0.01
75) Chrysene-d12	16.11	240	220715	20.00	ng	-0.39
86) Perylene-d12	17.95	264	210622m	20.00	ng	-0.93
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	351789m	125.49	ng	0.01
7) Phenol-d6	6.79	99	415966	112.26	ng	0.00
23) Nitrobenzene-d5	7.91	82	279368	84.85	ng	-0.01
41) 2,4,6-Tribromophenol	11.95	330	157195	140.95	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	575483	77.77	ng	-0.01
78) Terphenyl-d14	14.81	244	602658m	65.37	ng	-0.11
Target Compounds						
9) Benzaldehyde	6.66	77	27577	11.05	ng	Qvalue 93
10) Phenol	6.81	94	29813	6.94	ng	99
20) 3+4-Methylphenols	7.74	107	155094	45.49	ng	# 45
22) Acetophenone	7.72	105	13106	3.07	ng	# 99
32) Benzoic acid	8.82	122	4320482m	2222.76	ng	
35) Caprolactam	9.39	113	15479m	19.92	ng	
49) Dimethylphthalate	10.65	163	45820	6.06	ng	# 98

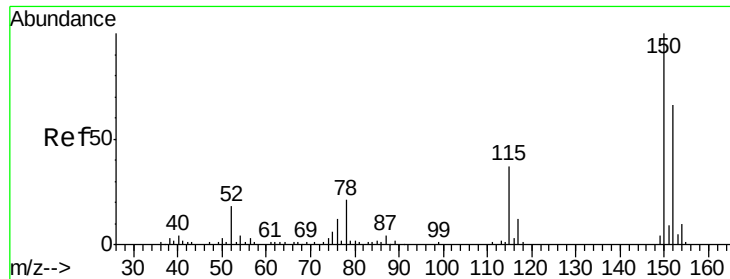
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.22 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

Instrument :

BNA_F

ClientSampleId :

LAR9797-B

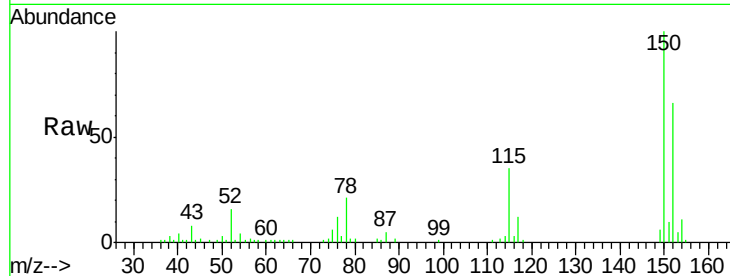
Tot Ion:152 Resp: 48256

Ion Ratio Lower Upper

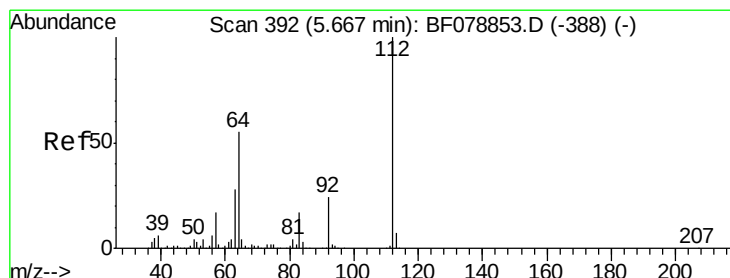
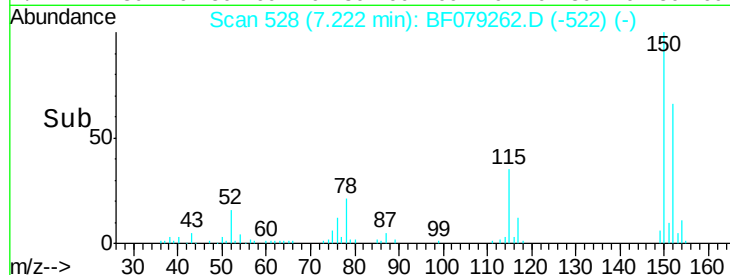
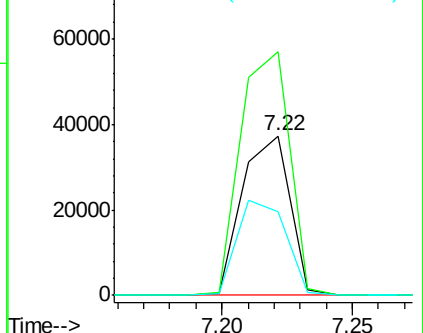
152 100

150 152.7 123.8 185.8

115 52.8 49.4 74.0



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: 125.49 ng m

RT: 5.52 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

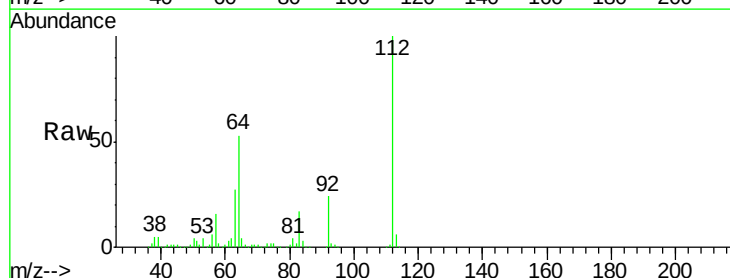
Tgt Ion:112 Resp: 351789

Ion Ratio Lower Upper

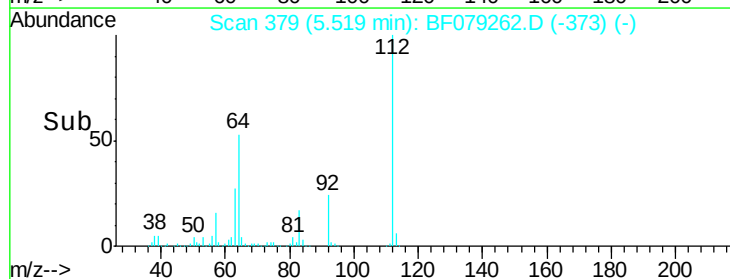
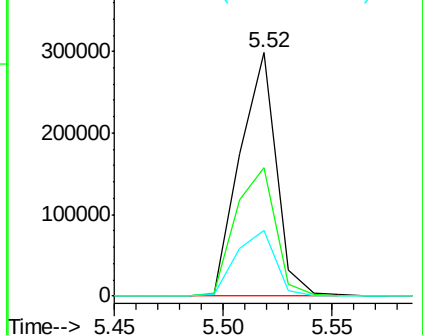
112 100

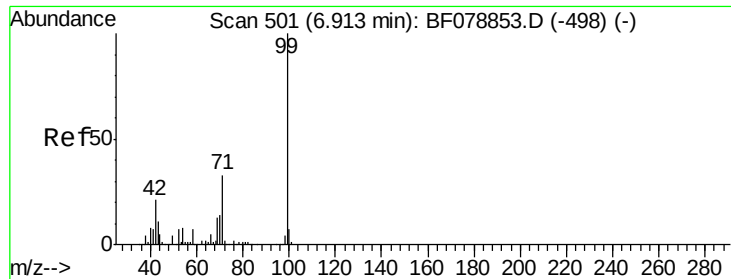
64 52.7 44.2 66.2

63 27.2 22.7 34.1



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





#7

Phenol-d6

Concen: 112.26 ng

RT: 6.79 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

Instrument :

BNA_F

ClientSampleId :

LAR9797-B

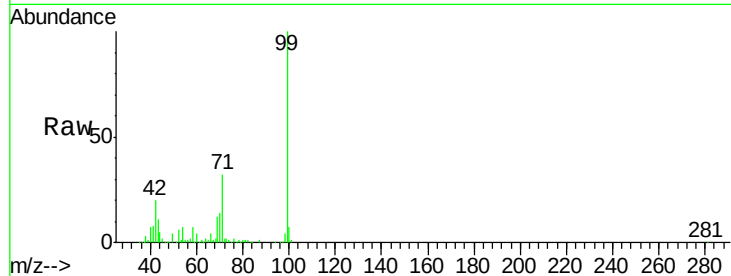
Tot Ion: 99 Resp: 415966

Ion Ratio Lower Upper

99 100

42 19.8 17.1 25.7

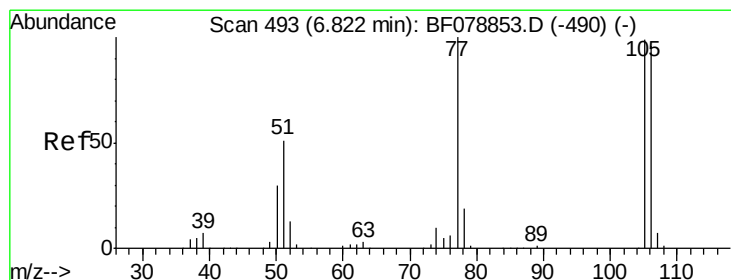
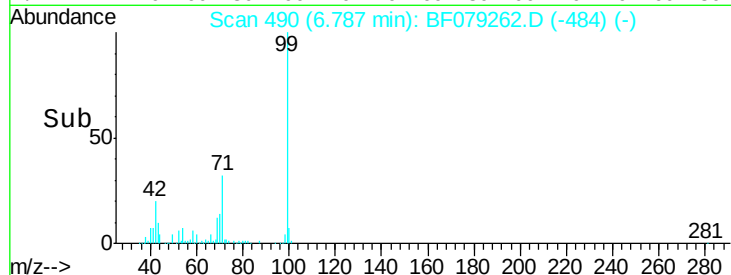
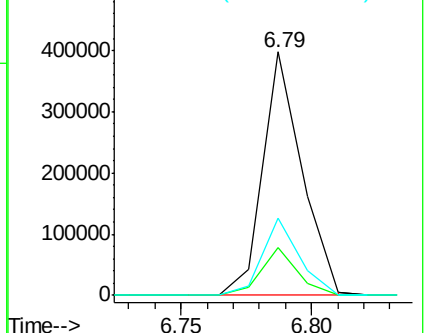
71 31.8 26.3 39.5



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: 11.05 ng

RT: 6.66 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

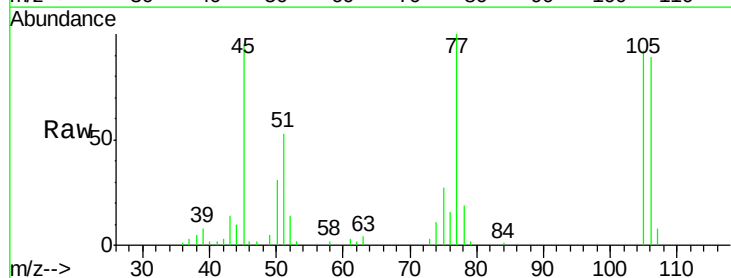
Tgt Ion: 77 Resp: 27577

Ion Ratio Lower Upper

77 100

105 92.1 78.9 118.9

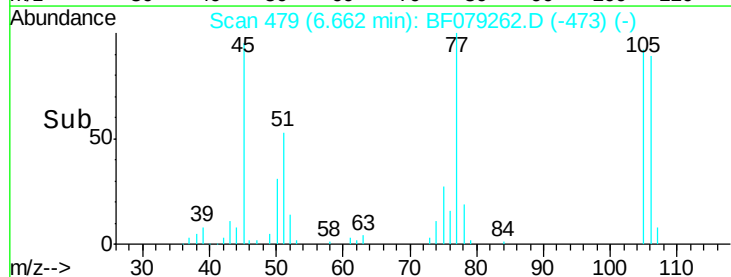
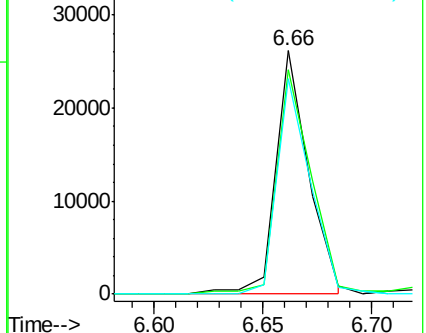
106 88.7 75.8 115.8

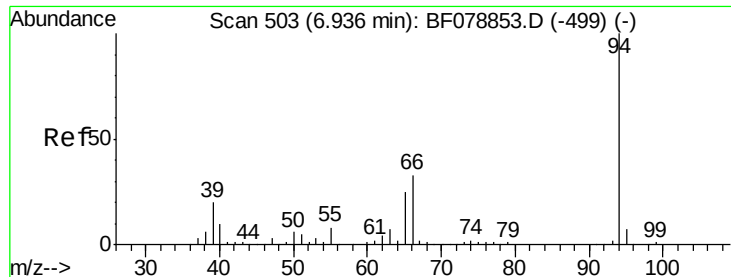


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.94 ng

RT: 6.81 min Scan# 492

Delta R.T. 0.01 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

Instrument :

BNA_F

ClientSampleId :

LAR9797-B

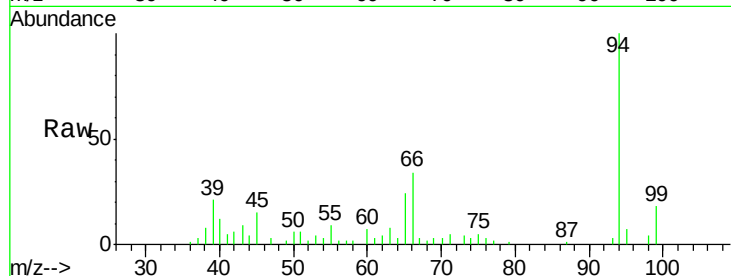
Tot Ion: 94 Resp: 29813

Ion Ratio Lower Upper

94 100

65 24.3 5.1 45.1

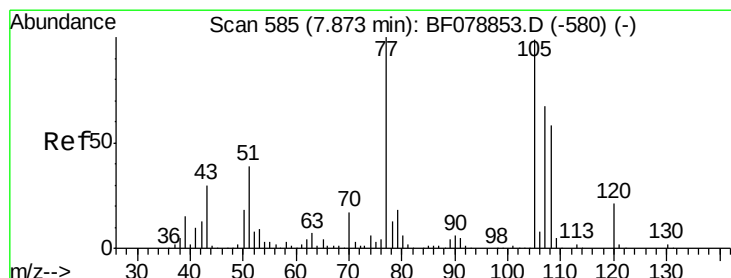
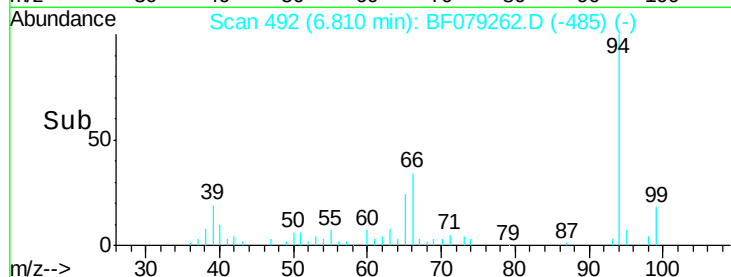
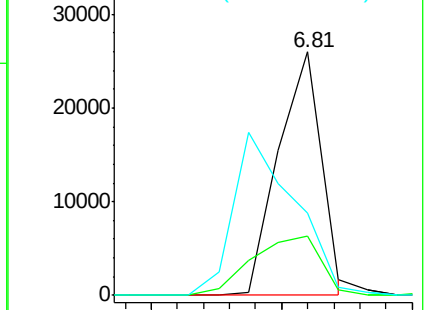
66 33.6 13.1 53.1



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



#20

3+4-Methylphenols

Concen: 45.49 ng

RT: 7.74 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

Tgt Ion: 107 Resp: 155094

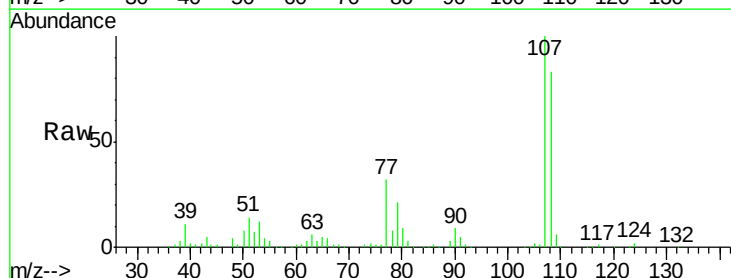
Ion Ratio Lower Upper

107 100

108 83.3 66.5 106.5

77 32.3 130.6 170.6#

79 21.3 6.4 46.4

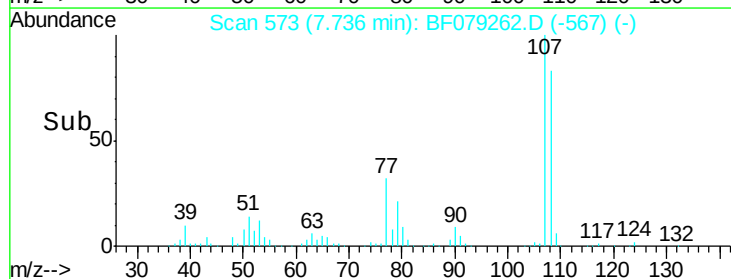
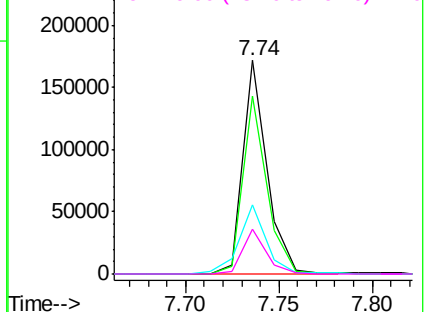


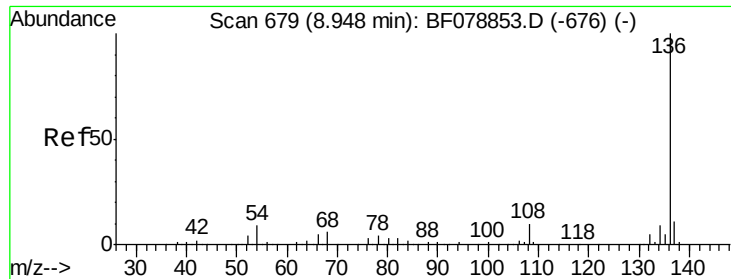
Abundance Ion 107.00 (106.70 to 107.70): E

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

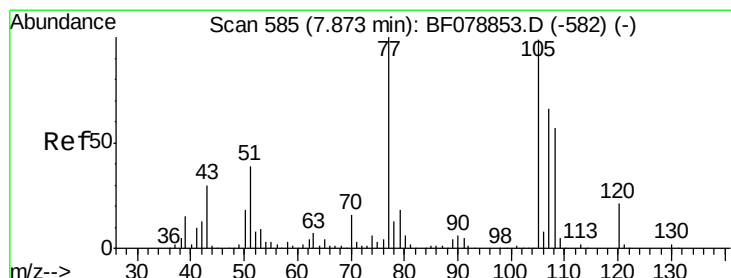
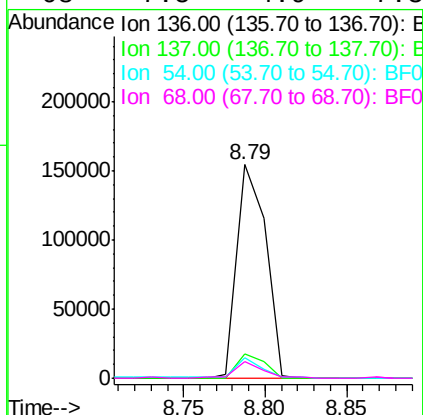
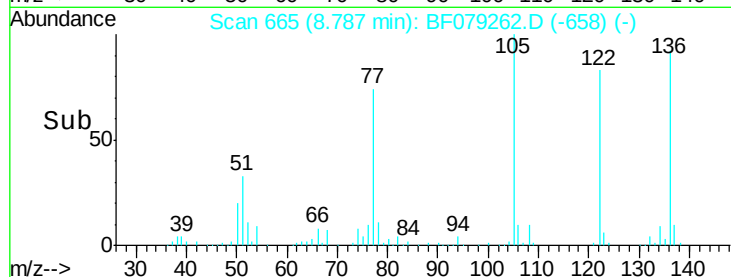
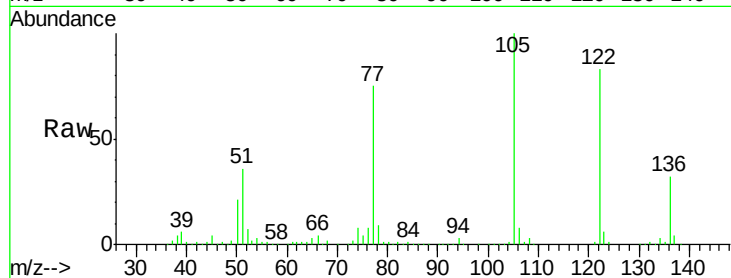




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.79 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF079262.D
Acq: 15 May 2015 8:28

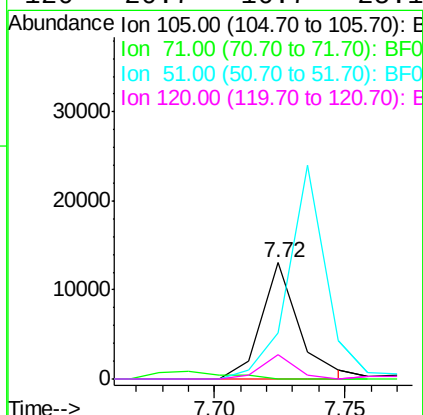
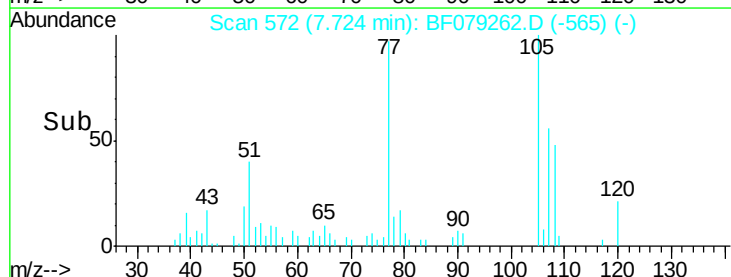
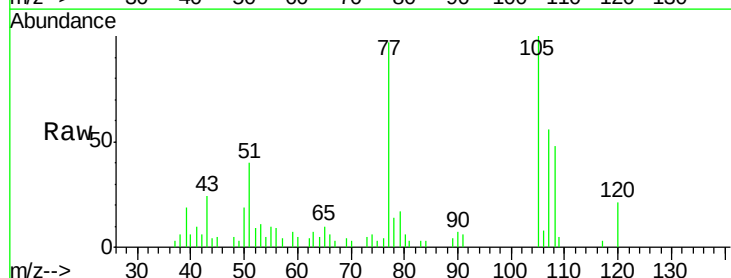
Instrument :
BNA_F
ClientSampleId :
LAR9797-B

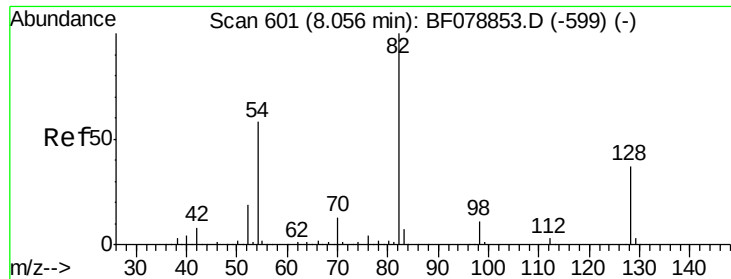
Tot Ion:136	Resp:	189216
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.8	13.2
54 9.7	6.9	10.3
68 7.5	4.9	7.3#



#22
Acetophenone
Concen: 3.07 ng
RT: 7.72 min Scan# 572
Delta R.T. -0.00 min
Lab File: BF079262.D
Acq: 15 May 2015 8:28

Tgt Ion:105	Resp:	13106
Ion Ratio	Lower	Upper
105 100		
71 0.0	2.2	3.4#
51 39.7	31.1	46.7
120 20.7	16.7	25.1

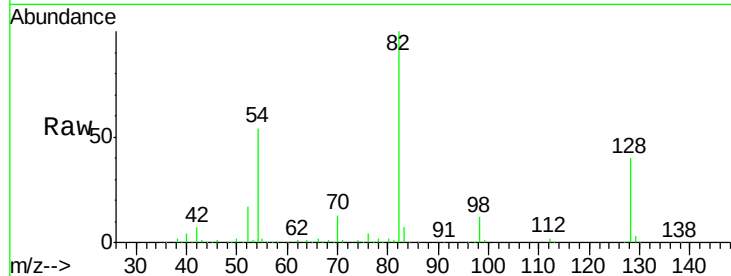




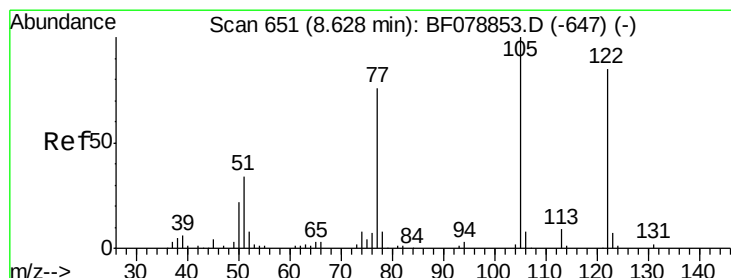
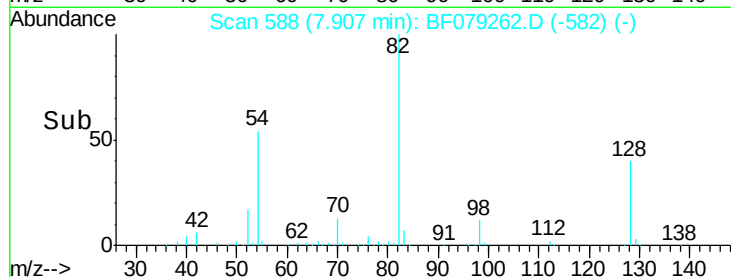
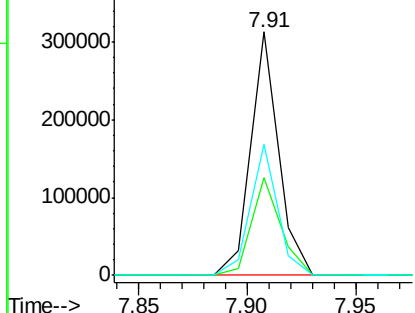
#23
Nitrobenzene-d5
Concen: 84.85 ng
RT: 7.91 min Scan# 588
Delta R.T. -0.01 min
Lab File: BF079262.D
Acq: 15 May 2015 8:28

Instrument :
BNA_F
ClientSampleId :
LAR9797-B

Tot Ion: 82 Resp: 279368
Ion Ratio Lower Upper
82 100
128 40.3 29.7 44.5
54 53.9 46.2 69.4

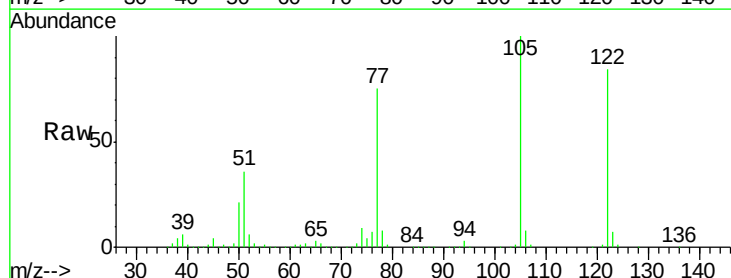


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

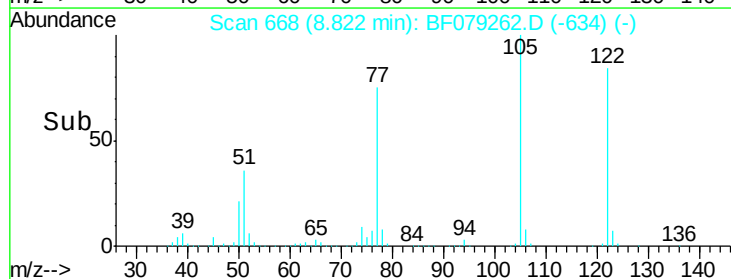
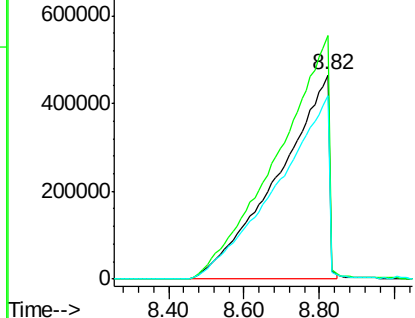


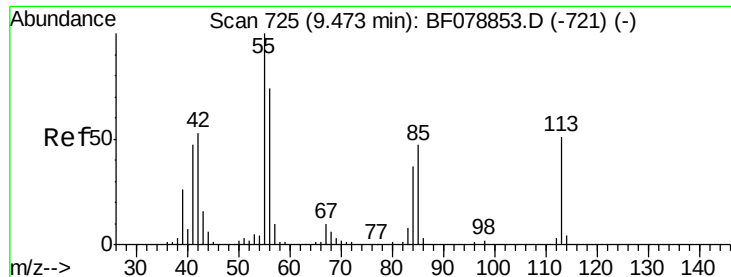
#32
Benzoic acid
Concen: 2222.76 ng m
RT: 8.82 min Scan# 668
Delta R.T. 0.31 min
Lab File: BF079262.D
Acq: 15 May 2015 8:28

Tgt Ion: 122 Resp: 4320482
Ion Ratio Lower Upper
122 100
105 119.4 100.7 140.7
77 89.8 72.0 112.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

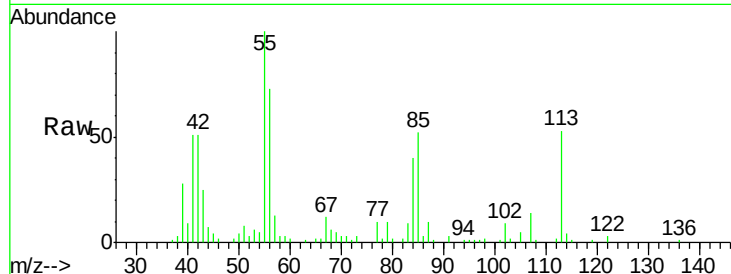




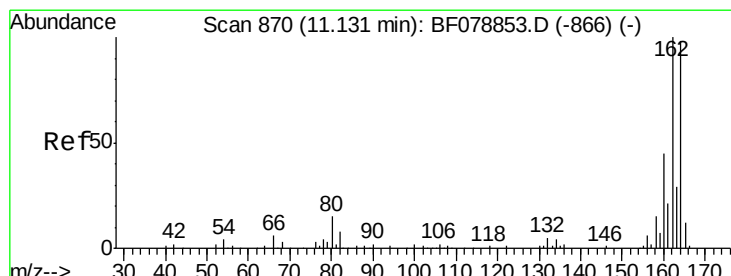
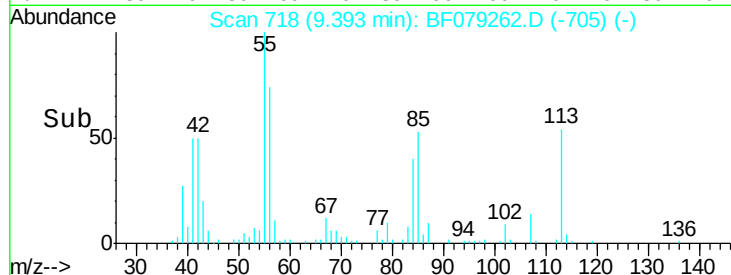
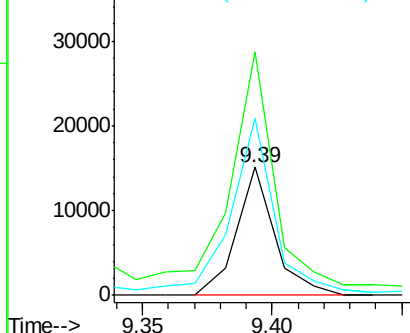
#35
 Caprolactam
 Concen: 19.92 ng/ml
 RT: 9.39 min Scan# 718
 Delta R.T. 0.06 min
 Lab File: BF079262.D
 Acq: 15 May 2015 8:28

Instrument :
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 LAR9797-B

Tot Ion:113 Resp: 15479
 Ion Ratio Lower Upper
 113 100
 55 190.2 176.0 216.0
 56 138.0 123.8 163.8

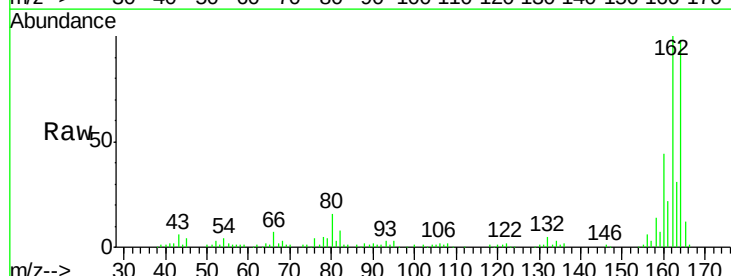


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

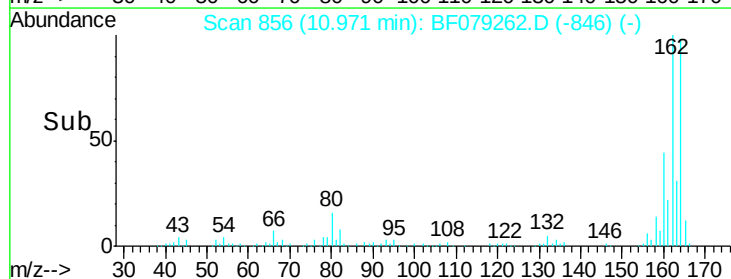
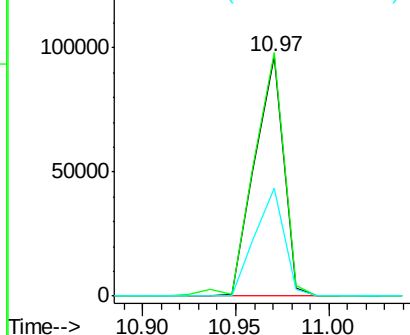


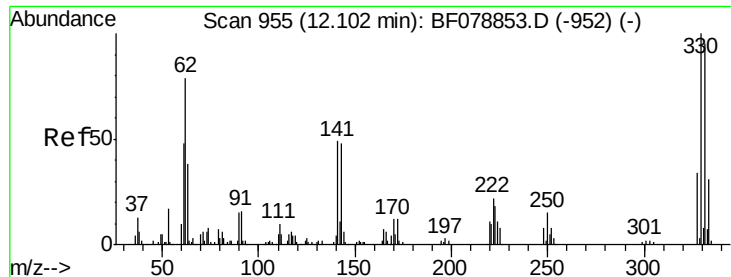
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BF079262.D
 Acq: 15 May 2015 8:28

Tgt Ion:164 Resp: 103089
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.4 122.0
 160 45.1 36.6 54.8



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

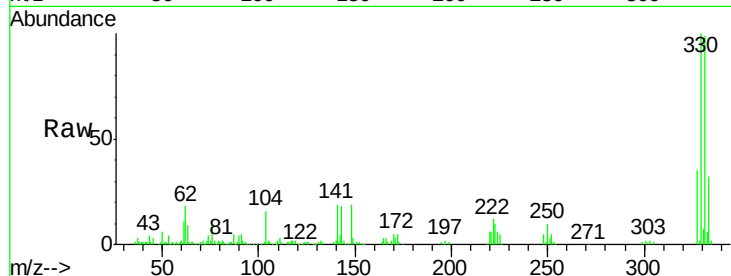




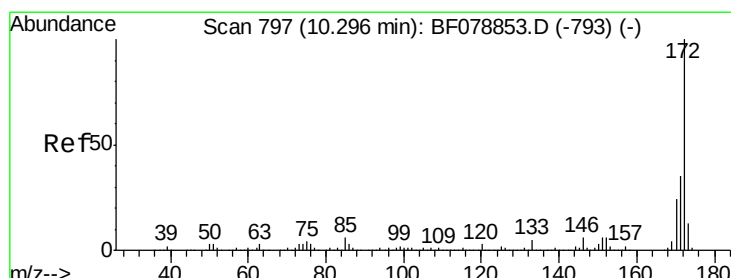
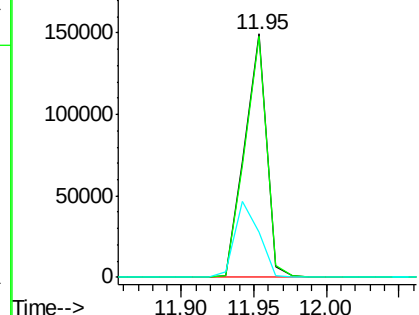
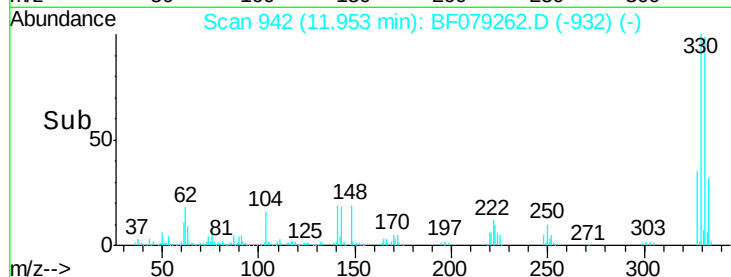
#41
 2,4,6-Tribromophenol
 Concen: 140.95 ng
 RT: 11.95 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF079262.D
 Acq: 15 May 2015 8:28

Instrument :
 BNA_F
 ClientSampleId :
 LAR9797-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.9	115.3
141	35.0	27.8	41.8

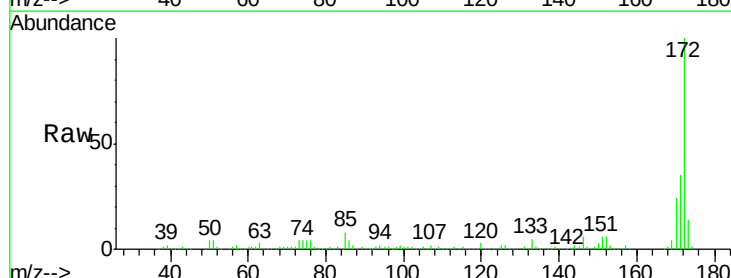


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

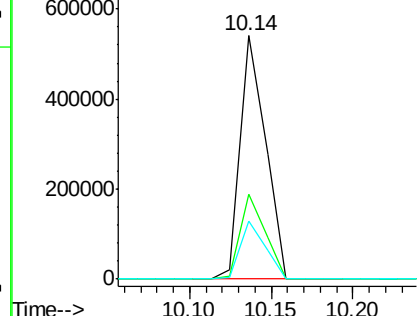
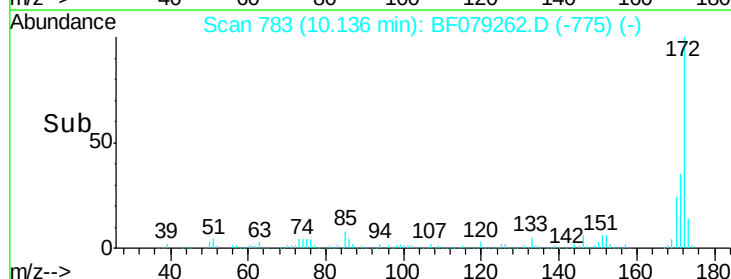


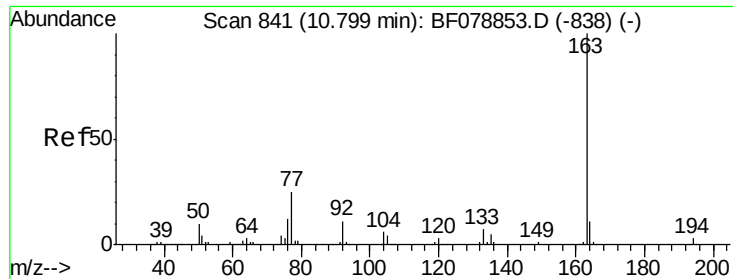
#44
 2-Fluorobiphenyl
 Concen: 77.77 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079262.D
 Acq: 15 May 2015 8:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	23.8	19.4	29.2



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

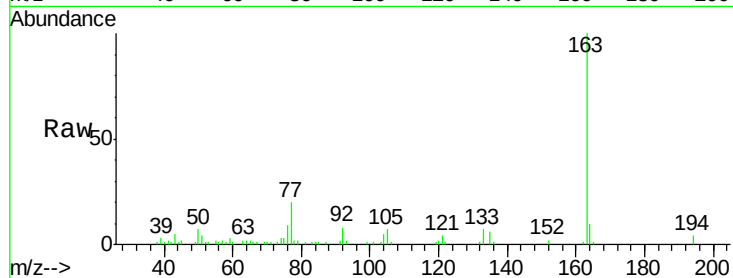




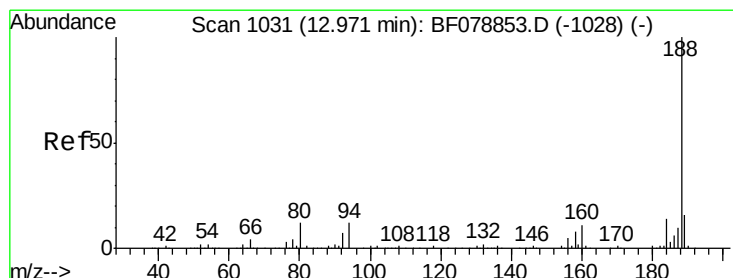
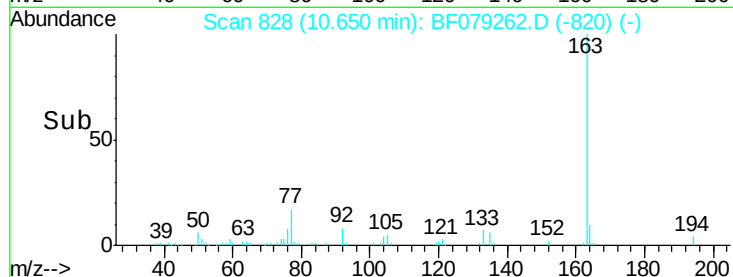
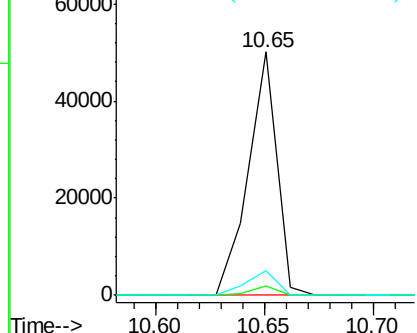
#49
Dimethylphthalate
Concen: 6.06 ng
RT: 10.65 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF079262.D
Acq: 15 May 2015 8:28

Instrument :
BNA_F
ClientSampleId :
LAR9797-B

Tot Ion:163 Resp: 45820
Ion Ratio Lower Upper
163 100
194 3.6 2.4 3.6#
164 9.9 8.6 12.8

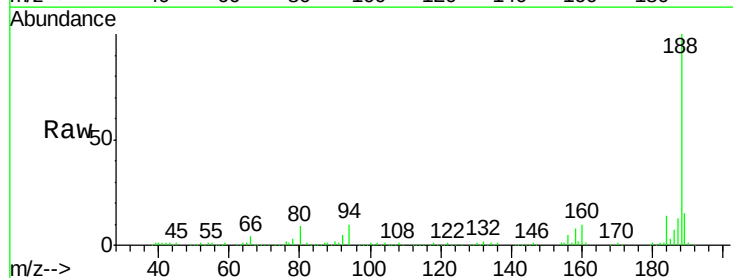


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

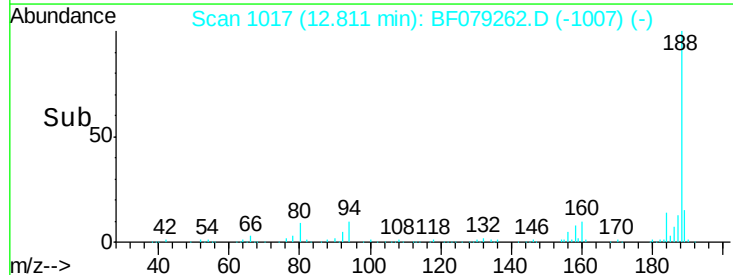
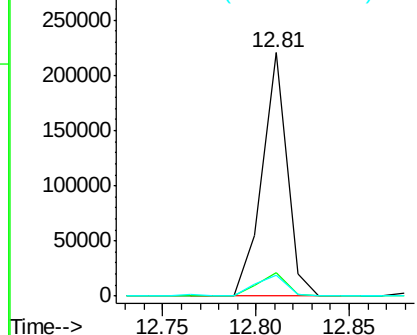


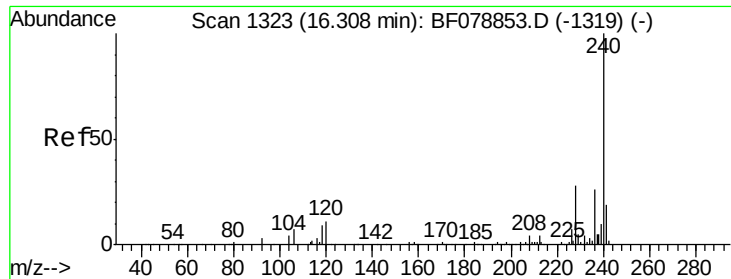
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF079262.D
Acq: 15 May 2015 8:28

Tgt Ion:188 Resp: 203239
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.0
80 8.8 9.8 14.6#



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: 16.11 min Scan# 1306

Delta R.T. -0.39 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

Instrument :

BNA_F

ClientSampleId :

LAR9797-B

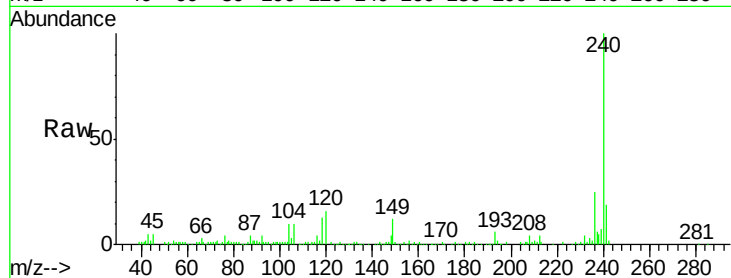
Tot Ion:240 Resp: 220715

Ion Ratio Lower Upper

240 100

120 15.7 8.6 12.8#

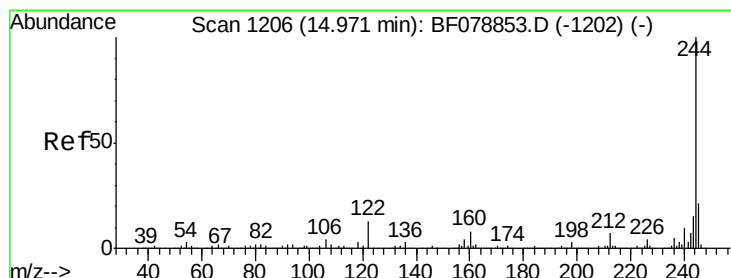
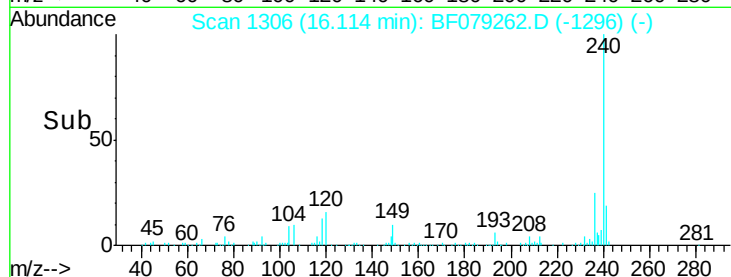
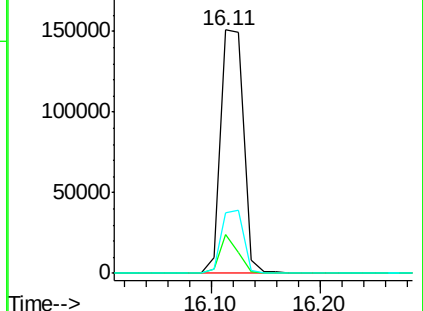
236 25.1 21.0 31.6



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: 65.37 ng m

RT: 14.81 min Scan# 1192

Delta R.T. -0.11 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

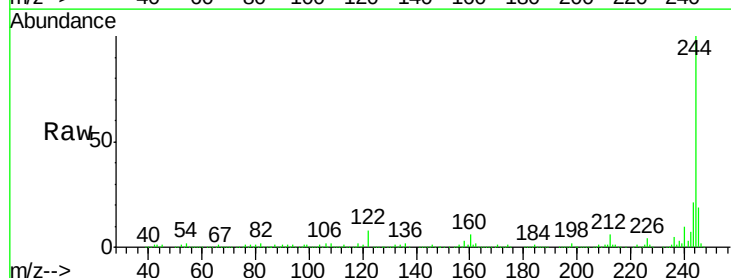
Tgt Ion:244 Resp: 602658

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

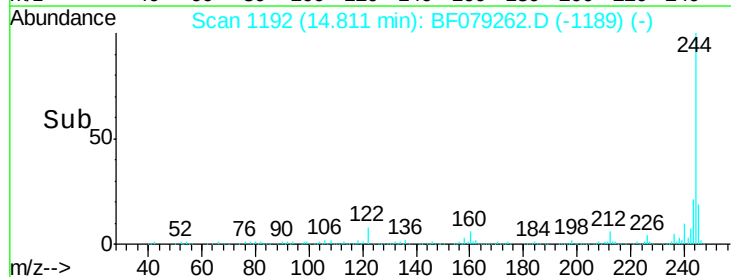
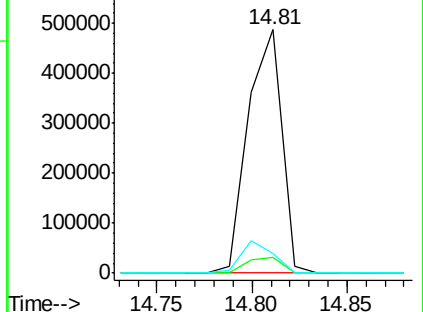
122 8.2 10.5 15.7#

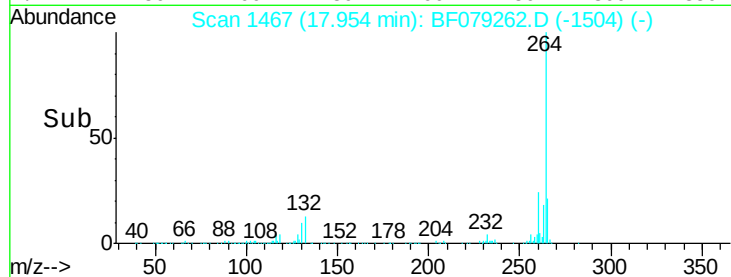
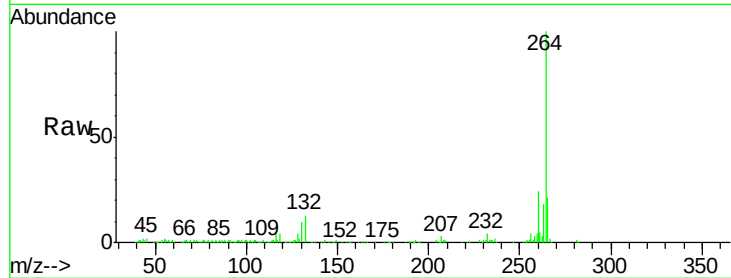
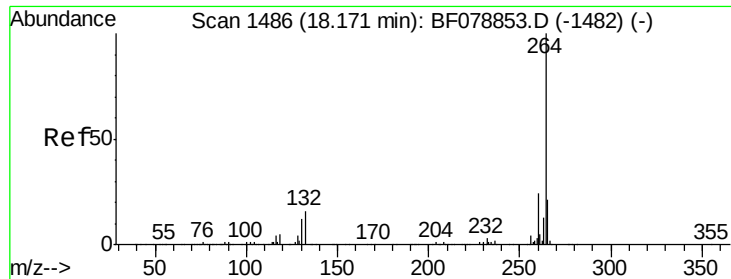


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng m

RT: 17.95 min Scan# 1467

Delta R.T. -0.93 min

Lab File: BF079262.D

Acq: 15 May 2015 8:28

Instrument :

BNA_F

ClientSampleId :

LAR9797-B

Tot Ion: 264 Resp: 210622

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.3 17.2 25.8

