

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021215\
 Data File : BF077302.D
 Acq On : 13 Feb 2015 1:45
 Operator : TP/IZ
 Sample : PB81726TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB81726TB

Quant Time: Feb 13 04:38:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 13 03:50:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	25485	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	108761	20.00	ng	0.00
38) Acenaphthene-d10	14.52	164	51627	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	97382	20.00	ng	0.00
75) Chrysene-d12	20.95	240	99842	20.00	ng	-0.01
86) Perylene-d12	22.59	264	88512	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.51	112	215483	131.67	ng	0.02
7) Phenol-d6	6.93	99	245222	121.57	ng	0.00
23) Nitrobenzene-d5	8.81	82	195801	102.84	ng	-0.01
41) 2,4,6-Tribromophenol	16.29	330	74188	176.22	ng	-0.01
44) 2-Fluorobiphenyl	13.06	172	398120	116.07	ng	-0.01
78) Terphenyl-d14	19.70	244	440694	99.14	ng	0.00

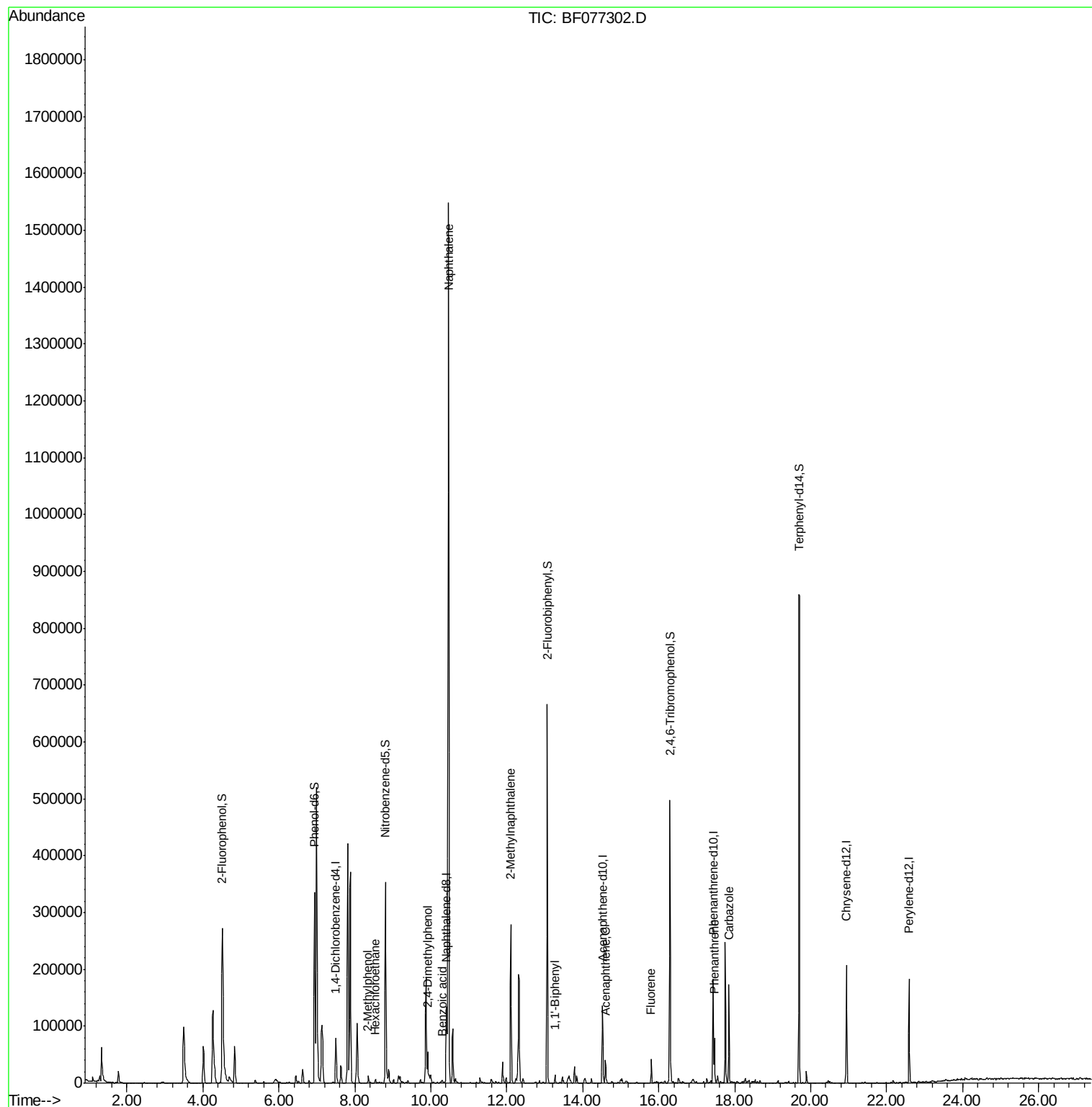
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	1.33	42	841	Below Cal		# 1
17) 2-Methylphenol	8.35	107	4443	3.11	ng	94
18) Hexachloroethane	8.54	117	2162	2.82	ng	# 6
27) 2,4-Dimethylphenol	9.92	122	4750	3.08	ng	# 86
31) Naphthalene	10.47	128	1231907	229.48	ng	99
32) Benzoic acid	10.30	122	4257	25.42	ng	# 12
37) 2-Methylnaphthalene	12.11	142	127041	31.57	ng	99
45) 1,1'-Biphenyl	13.27	154	9842	2.47	ng	94
51) Acenaphthene	14.59	154	18158	6.25	ng	90
57) Fluorene	15.80	166	20968	5.71	ng	99
70) Phenanthrene	17.47	178	43548	7.41	ng	99
72) Carbazole	17.85	167	88015	15.64	ng	99

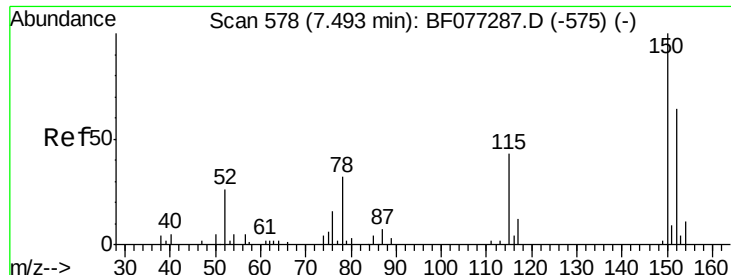
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.49 min Scan# 578

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

ClientSampleId :

PB81726TB

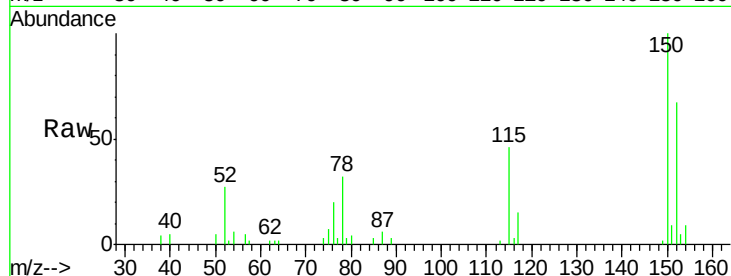
Tgt Ion:152 Resp: 25485

Ion Ratio Lower Upper

152 100

150 149.7 124.9 187.3

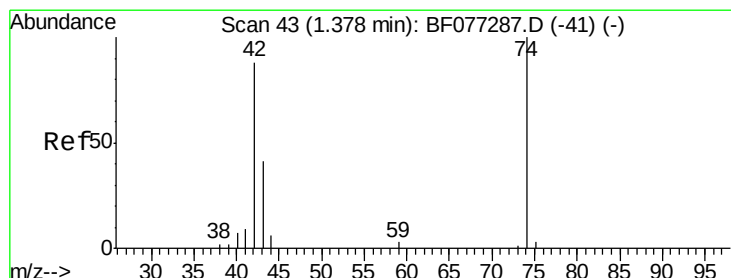
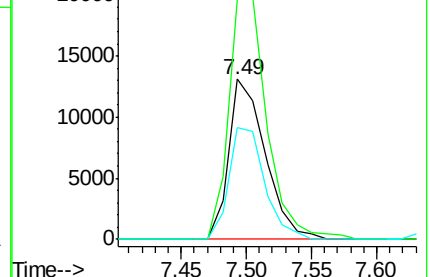
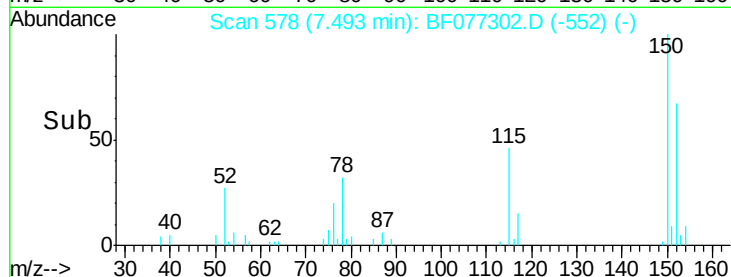
115 69.6 54.1 81.1



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



#4

n-Nitrosodimethylamine

Concen: Below Cal

RT: 1.33 min Scan# 39

Delta R.T. -0.05 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

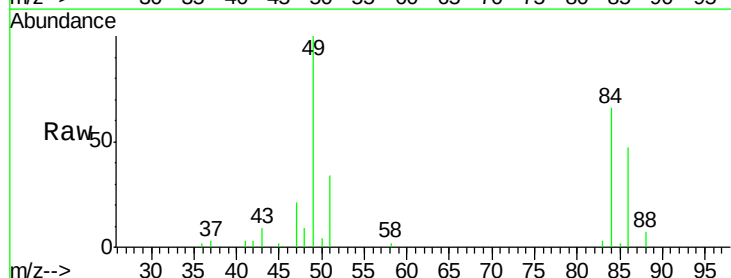
Tgt Ion: 42 Resp: 841

Ion Ratio Lower Upper

42 100

74 0.0 90.8 136.2#

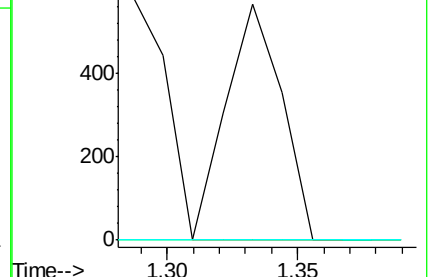
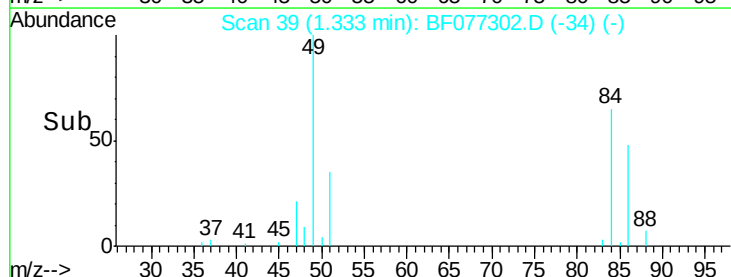
44 0.0 5.8 8.6#

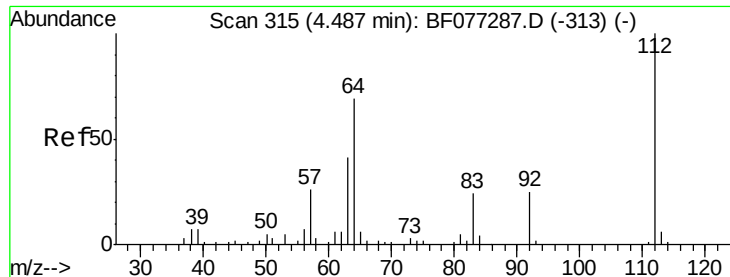


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 131.67 ng

RT: 4.51 min Scan# 317

Delta R.T. 0.02 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

ClientSampleId :

PB81726TB

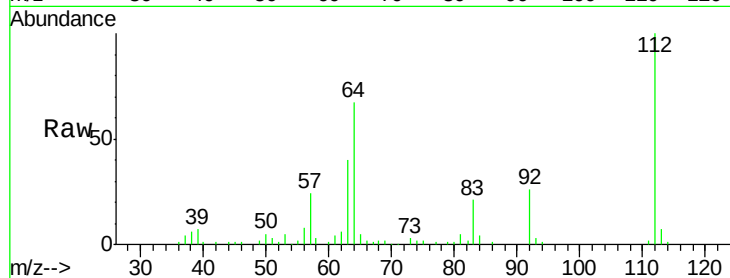
Tgt Ion: 112 Resp: 215483

Ion Ratio Lower Upper

112 100

64 67.4 55.0 82.4

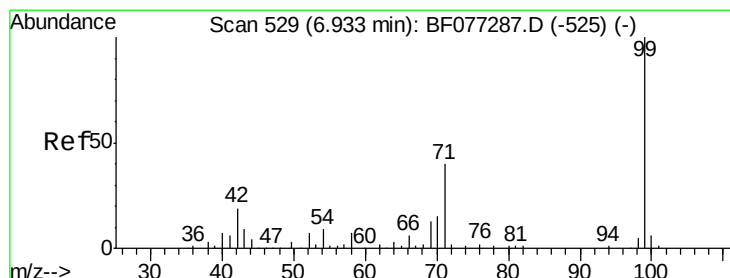
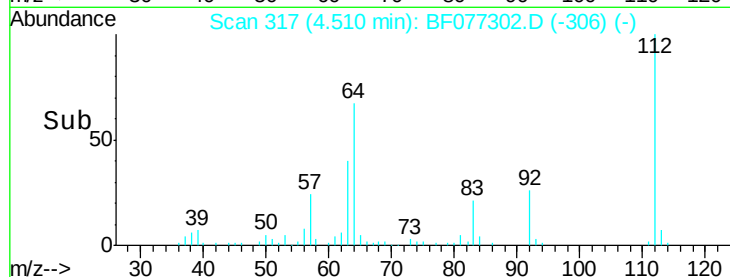
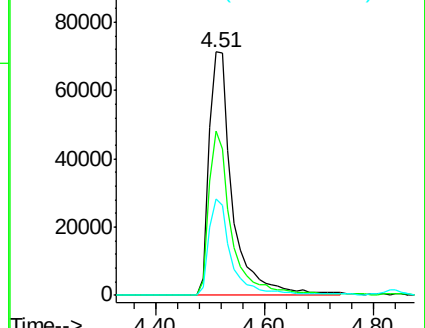
63 39.9 33.0 49.6



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: 121.57 ng

RT: 6.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

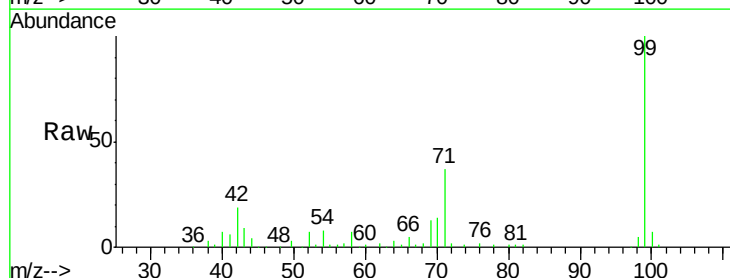
Tgt Ion: 99 Resp: 245222

Ion Ratio Lower Upper

99 100

42 18.8 15.0 22.4

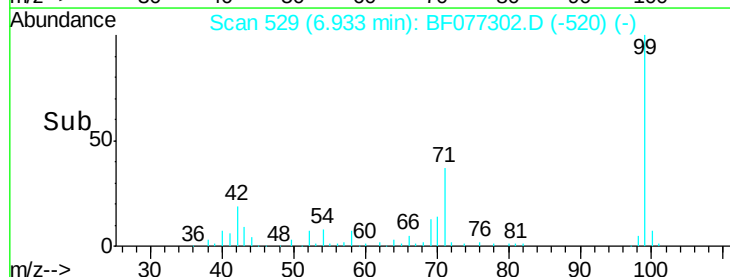
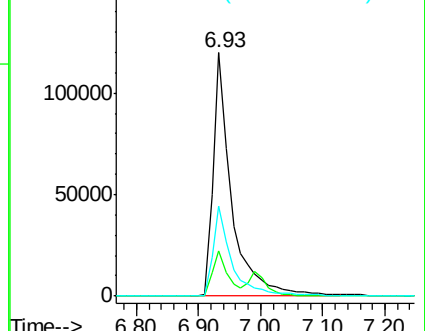
71 37.2 31.8 47.6

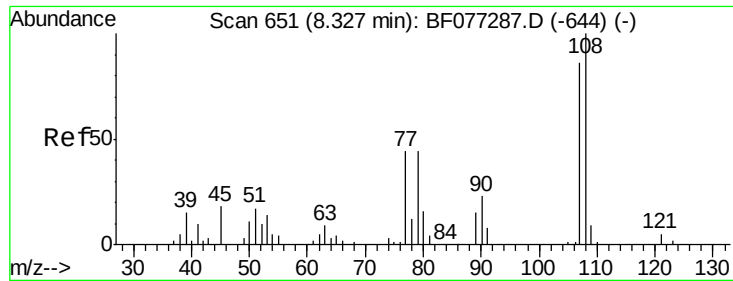


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

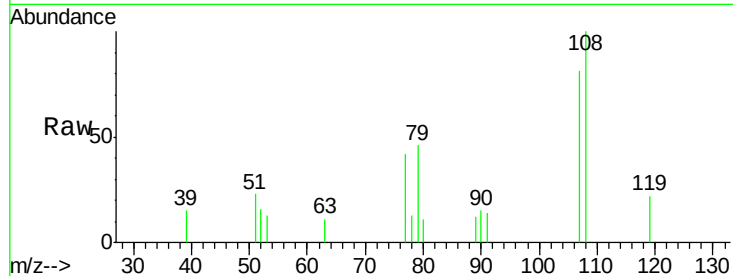




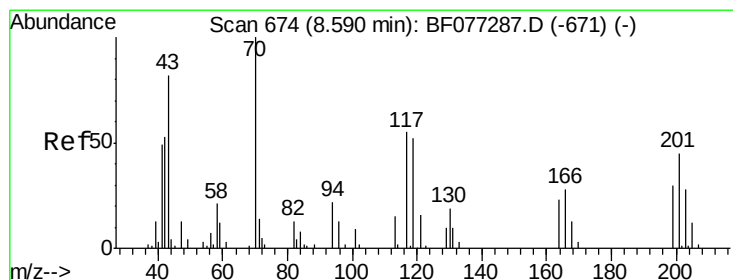
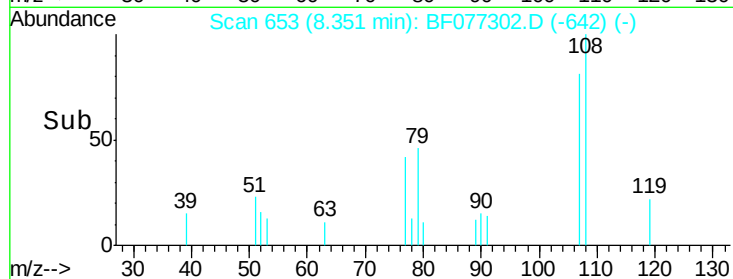
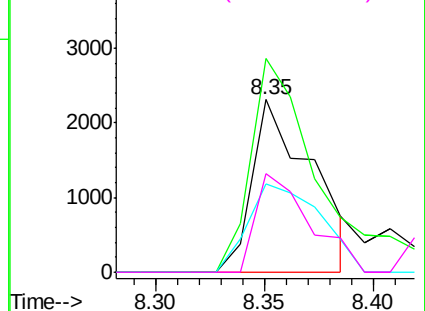
#17
2-Methylphenol
Concen: 3.11 ng
RT: 8.35 min Scan# 653
Delta R.T. 0.02 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

Tgt Ion:107 Resp: 4443
Ion Ratio Lower Upper
107 100
108 123.7 93.2 139.8
77 51.5 41.3 61.9
79 57.5 40.9 61.3

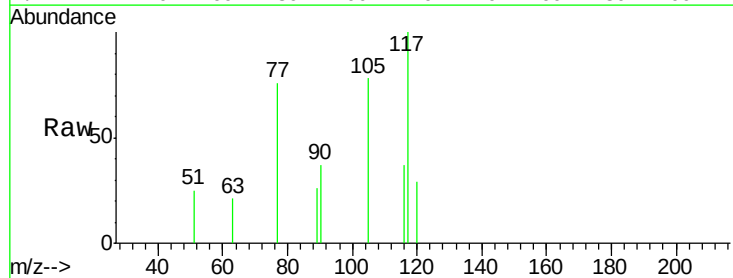


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

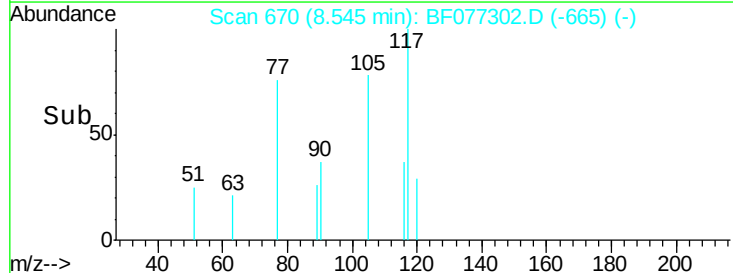
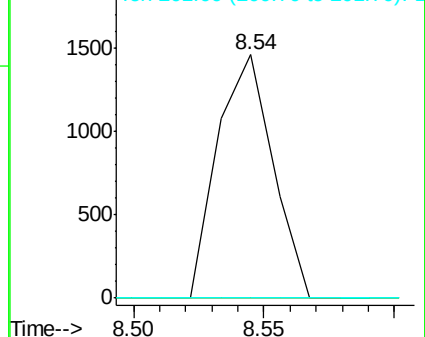


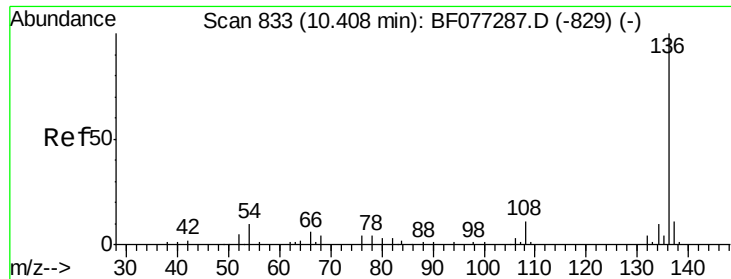
#18
Hexachloroethane
Concen: 2.82 ng
RT: 8.54 min Scan# 670
Delta R.T. -0.05 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion:117 Resp: 2162
Ion Ratio Lower Upper
117 100
119 0.0 75.5 113.3#
201 0.0 64.3 96.5#



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

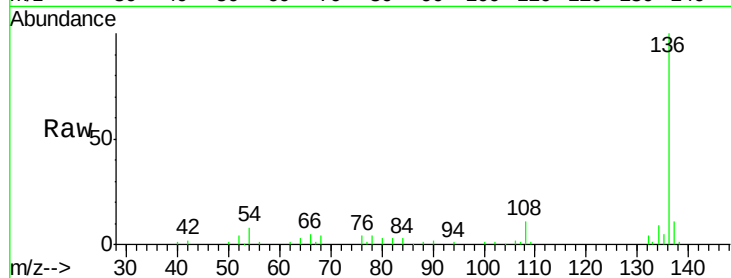




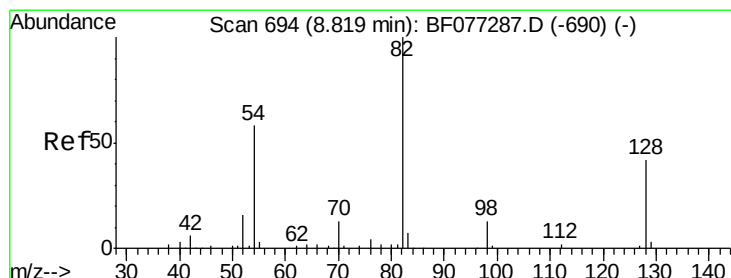
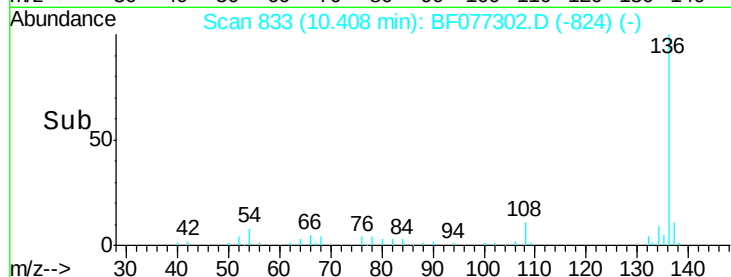
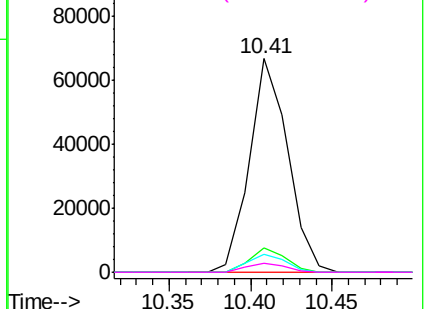
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.41 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

Tgt Ion:	136	Resp:	108761
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.3	8.2	12.2
68	4.1	3.1	4.7

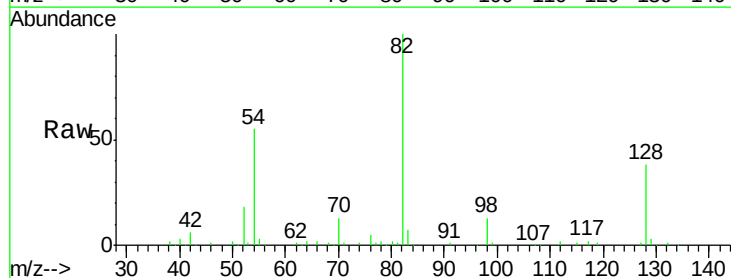


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

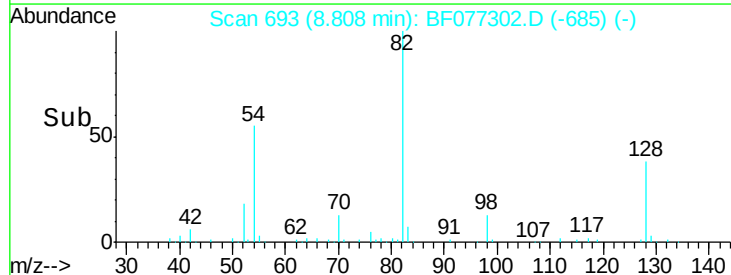
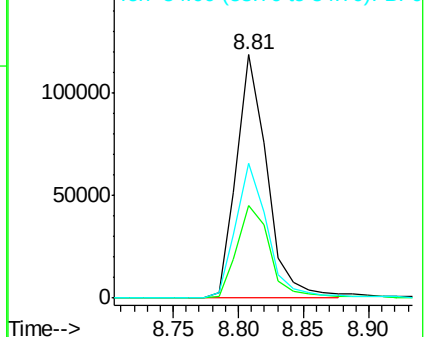


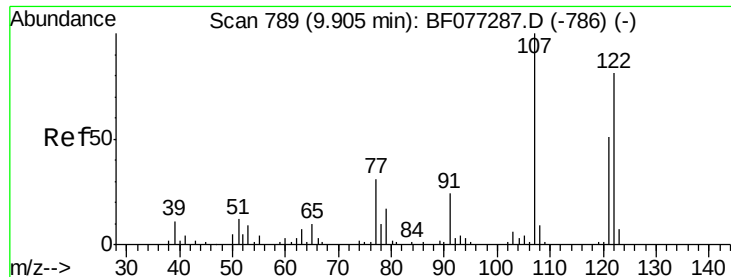
#23
Nitrobenzene-d5
Concen: 102.84 ng
RT: 8.81 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion:	82	Resp:	195801
Ion	Ratio	Lower	Upper
82	100		
128	38.3	33.6	50.4
54	55.3	46.2	69.2



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





#27

2,4-Dimethylphenol

Concen: 3.08 ng

RT: 9.92 min Scan# 790

Delta R.T. 0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

ClientSampleId :

PB81726TB

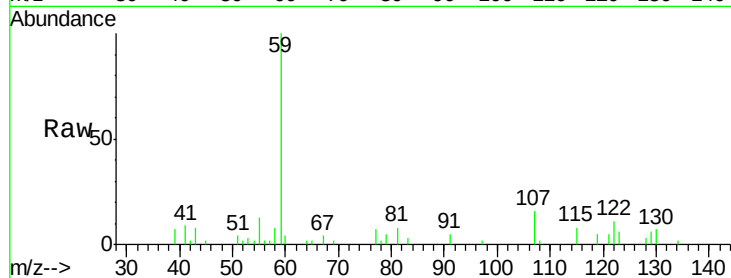
Tgt Ion:122 Resp: 4750

Ion Ratio Lower Upper

122 100

107 135.4 99.1 148.7

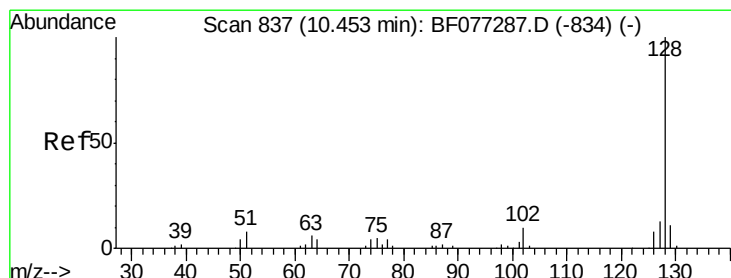
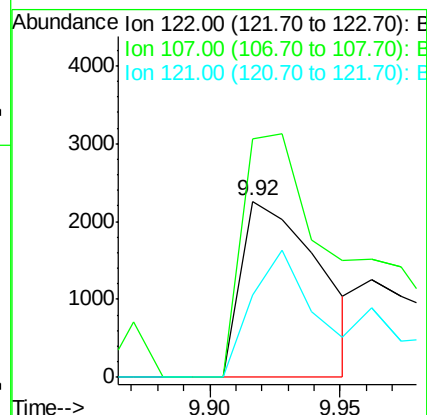
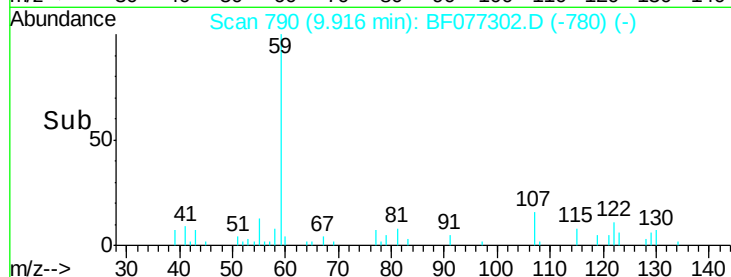
121 47.0 50.2 75.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 229.48 ng

RT: 10.47 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

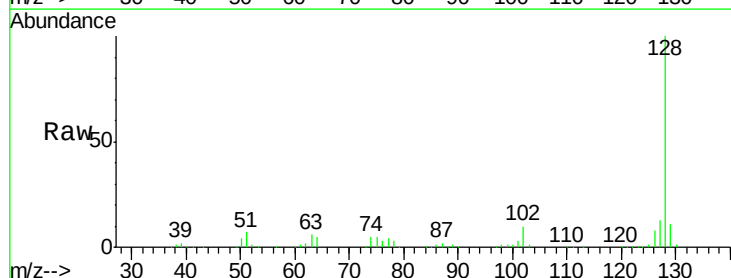
Tgt Ion:128 Resp: 1231907

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

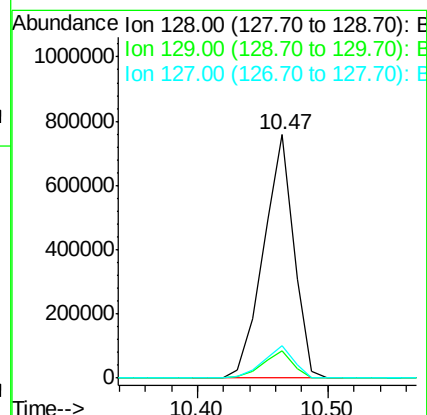
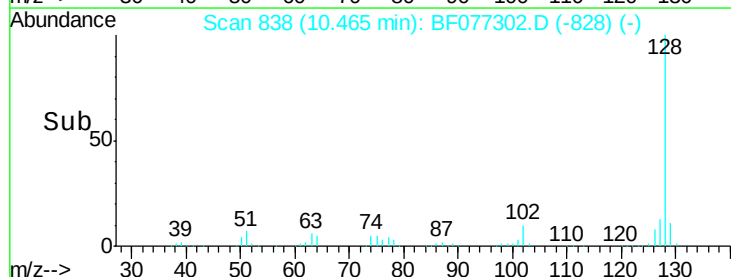
127 13.3 10.4 15.6

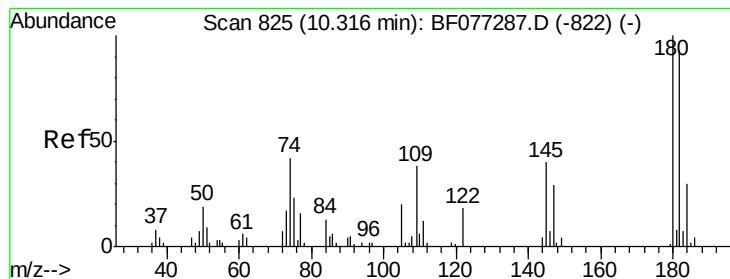


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 25.42 ng

RT: 10.30 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

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PB81726TB

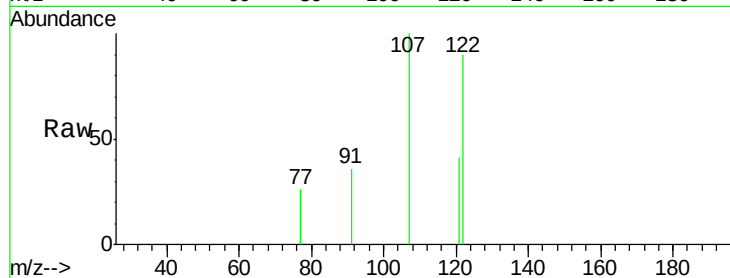
Tgt Ion:122 Resp: 4257

Ion Ratio Lower Upper

122 100

105 0.0 93.4 133.4#

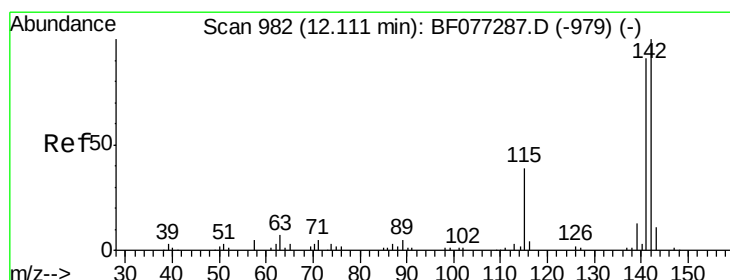
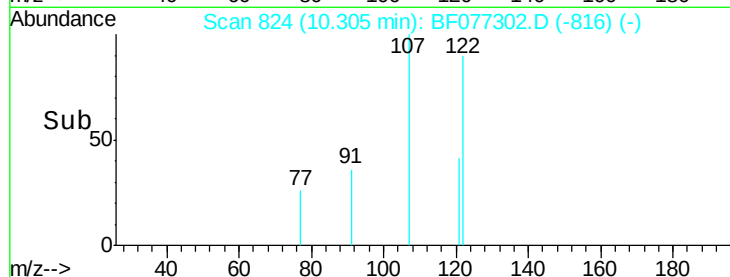
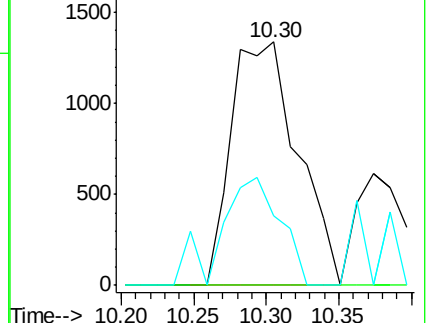
77 28.5 72.6 112.6#



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



#37

2-Methylnaphthalene

Concen: 31.57 ng

RT: 12.11 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

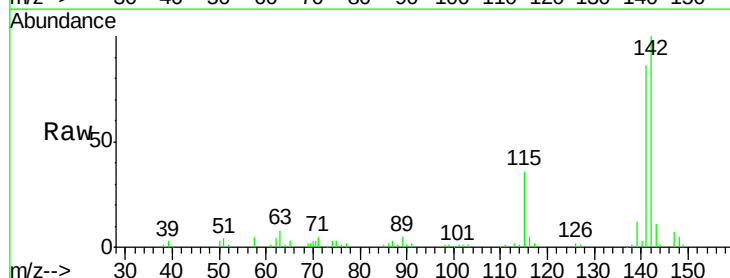
Tgt Ion:142 Resp: 127041

Ion Ratio Lower Upper

142 100

141 86.3 69.8 104.6

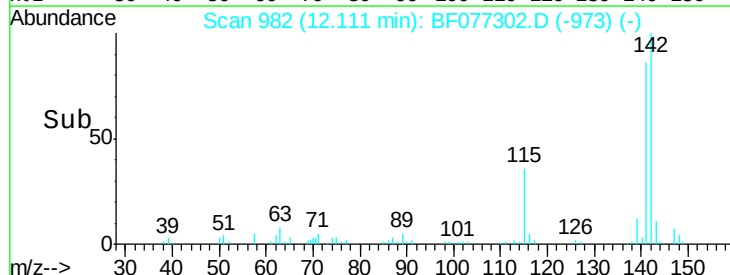
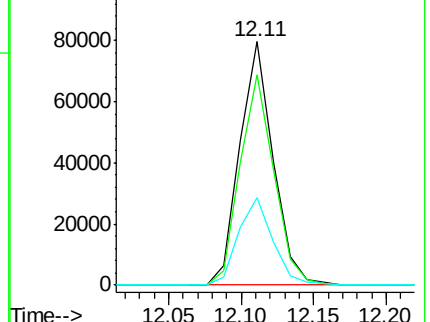
115 35.8 29.5 44.3

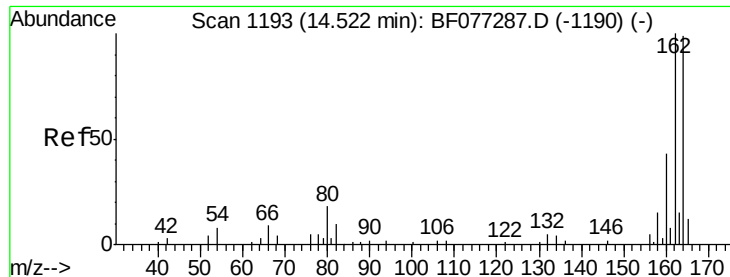


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.52 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

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PB81726TB

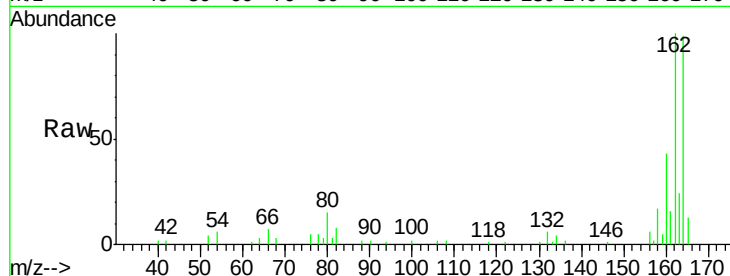
Tgt Ion:164 Resp: 51627

Ion Ratio Lower Upper

164 100

162 101.5 81.0 121.4

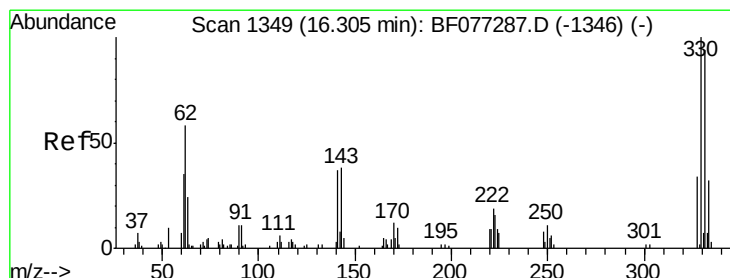
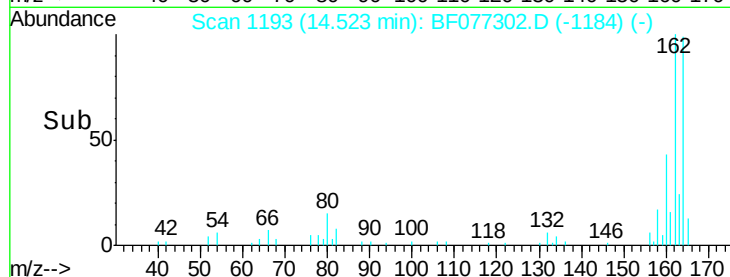
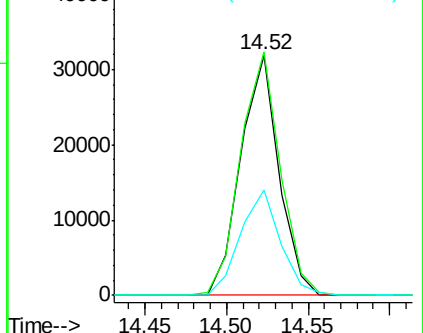
160 43.7 35.2 52.8



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: 176.22 ng

RT: 16.29 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

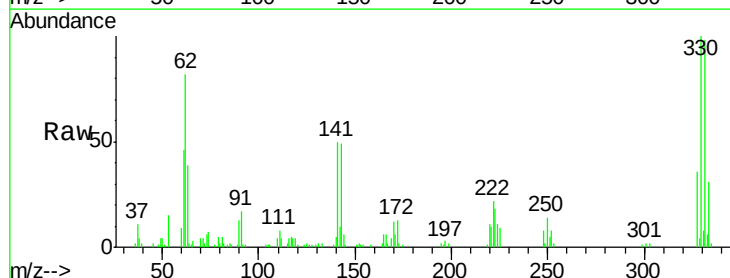
Tgt Ion:330 Resp: 74188

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

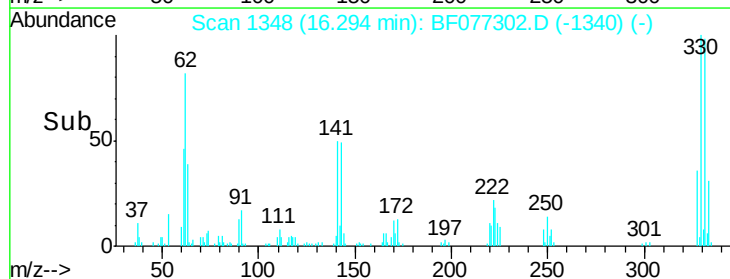
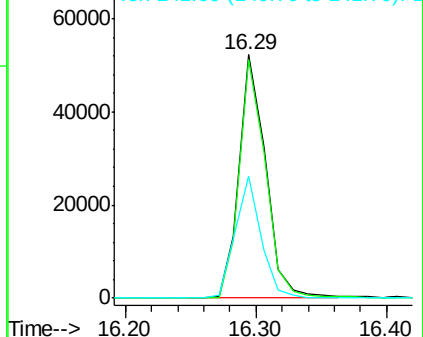
141 48.3 0.0 0.0#

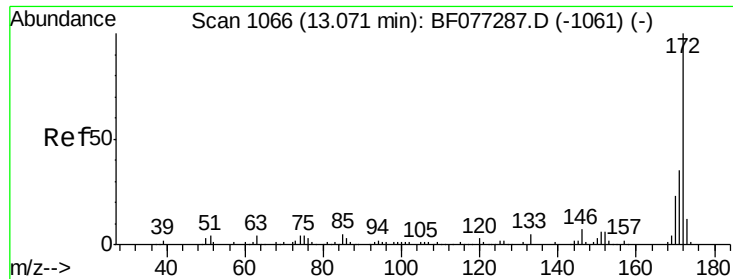


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

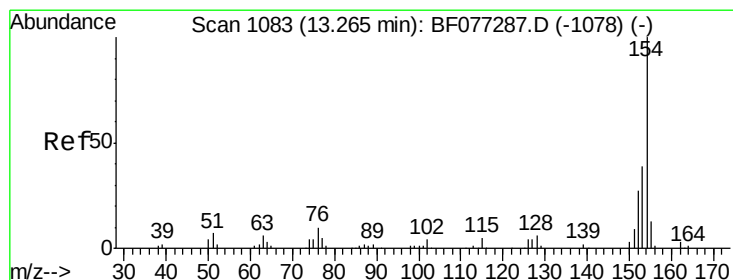
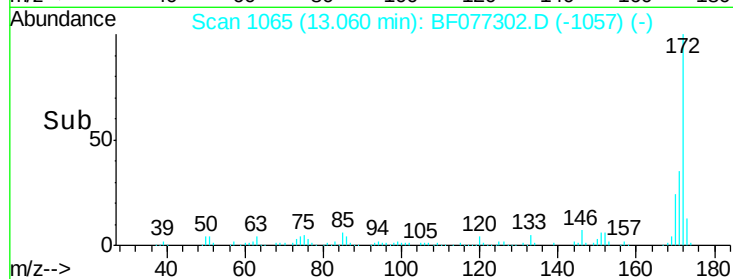
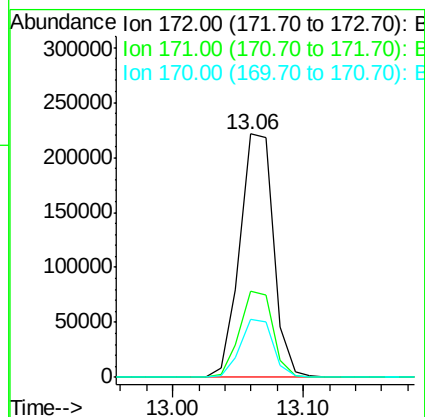
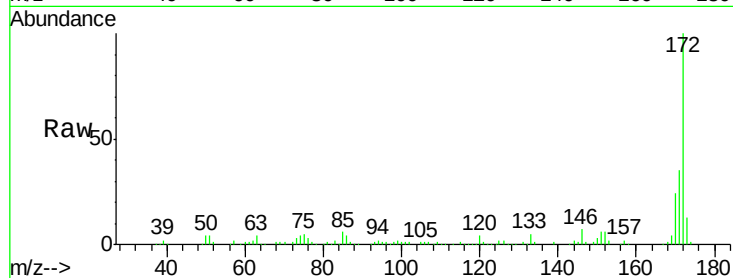




#44
2-Fluorobiphenyl
Concen: 116.07 ng
RT: 13.06 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

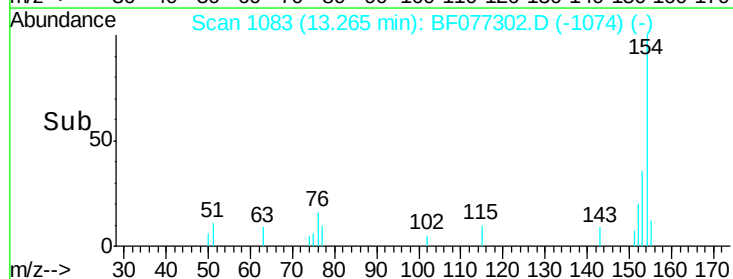
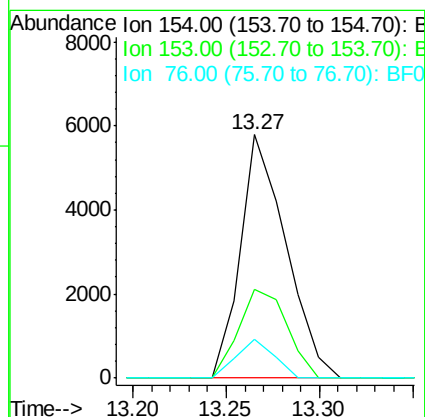
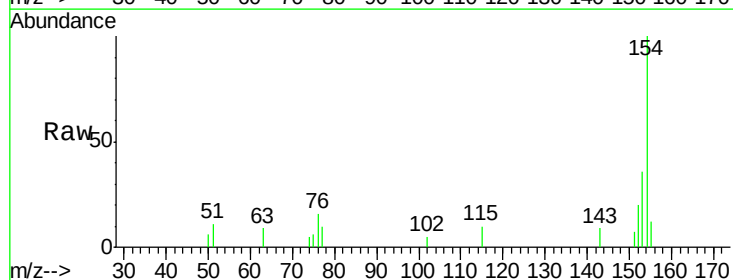
Instrument :
BNA_F
ClientSampleId :
PB81726TB

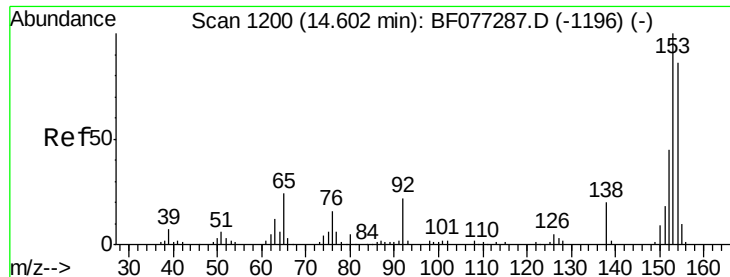
Tgt Ion:172 Resp: 398120
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.6 18.3 27.5



#45
1,1'-Biphenyl
Concen: 2.47 ng
RT: 13.27 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion:154 Resp: 9842
Ion Ratio Lower Upper
154 100
153 36.4 18.9 58.9
76 16.1 0.0 30.4





#51

Acenaphthene

Concen: 6.25 ng

RT: 14.59 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

ClientSampleId :

PB81726TB

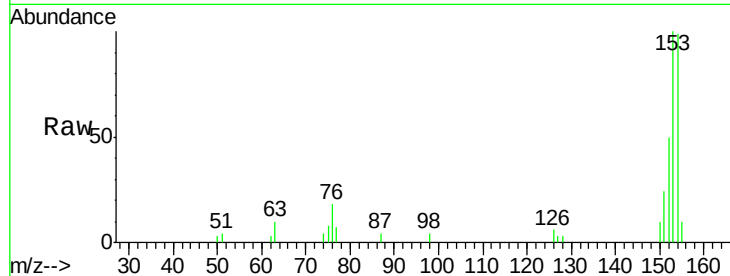
Tgt Ion:154 Resp: 18158

Ion Ratio Lower Upper

154 100

153 101.0 92.5 138.7

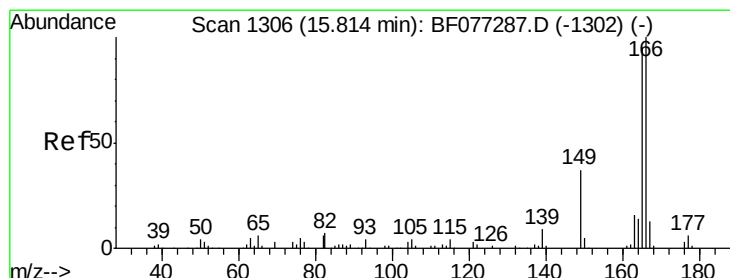
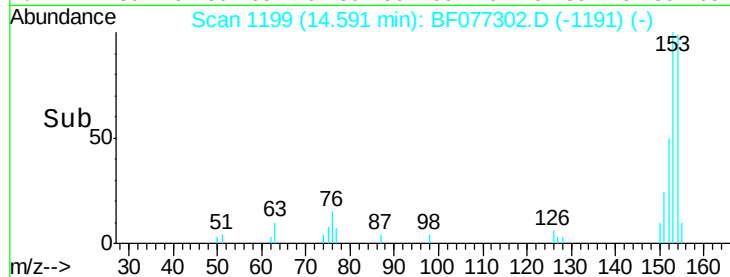
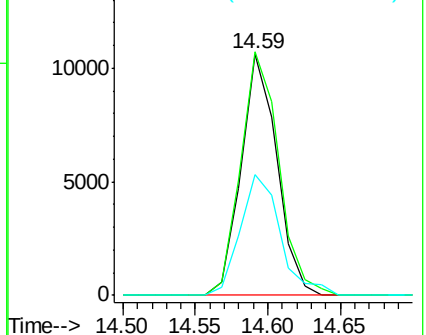
152 50.3 42.1 63.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 5.71 ng

RT: 15.80 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

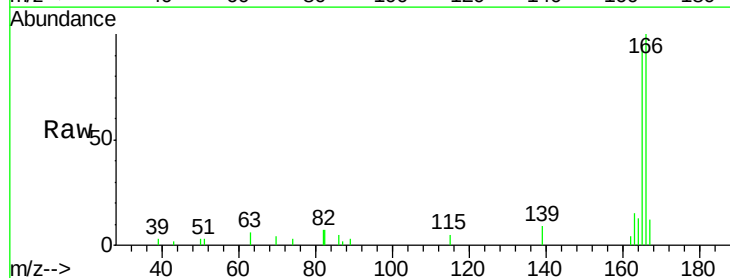
Tgt Ion:166 Resp: 20968

Ion Ratio Lower Upper

166 100

165 95.4 75.9 113.9

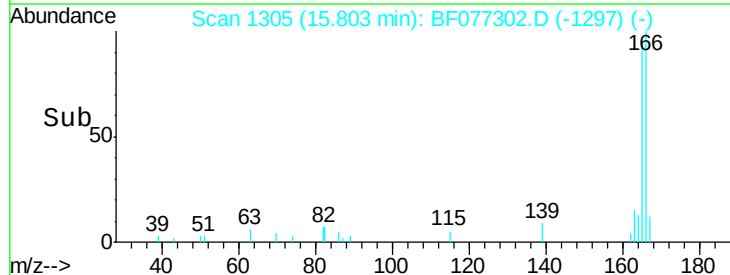
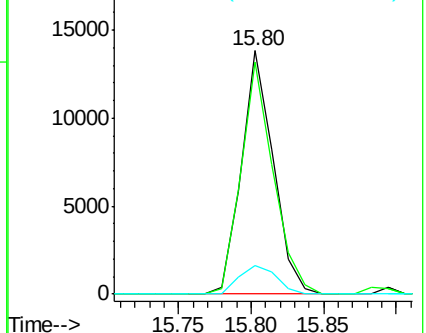
167 11.7 10.2 15.4

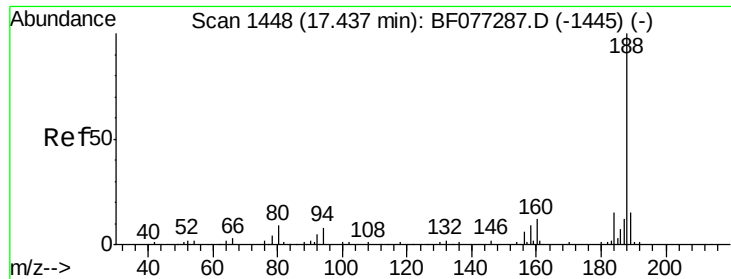


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

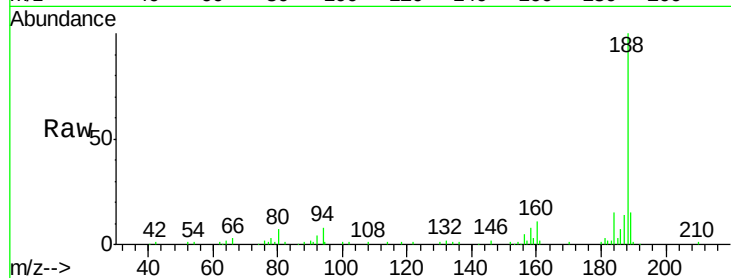




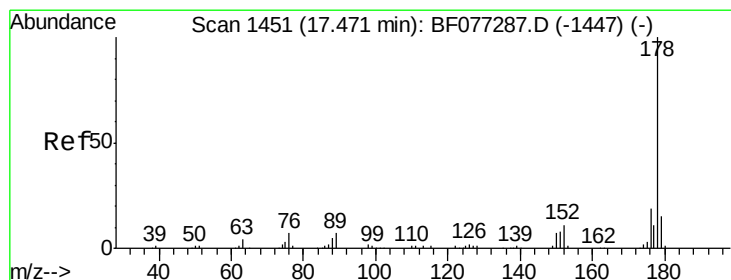
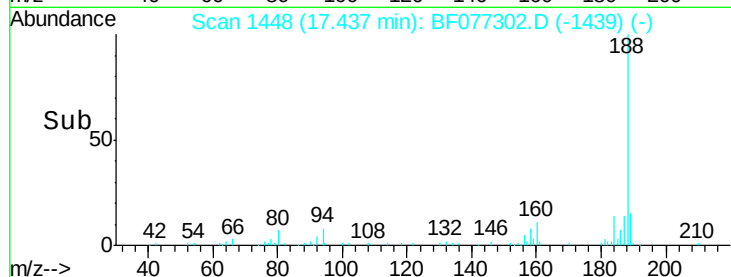
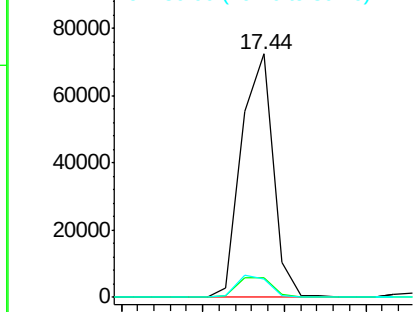
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

Tgt Ion:188 Resp: 97382
Ion Ratio Lower Upper
188 100
94 8.8 6.5 9.7
80 7.5 7.1 10.7

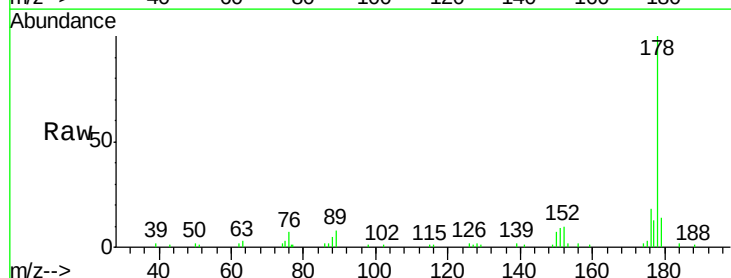


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

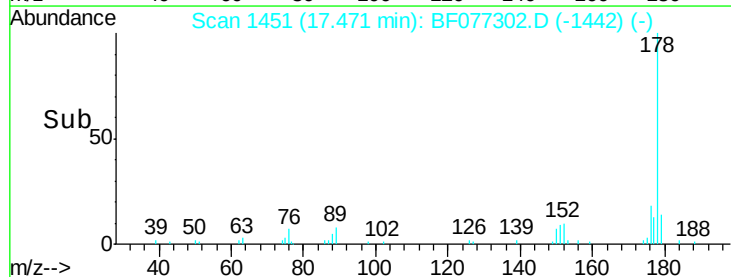
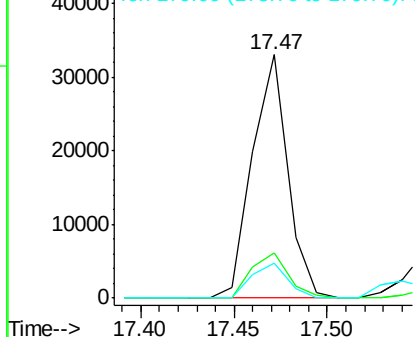


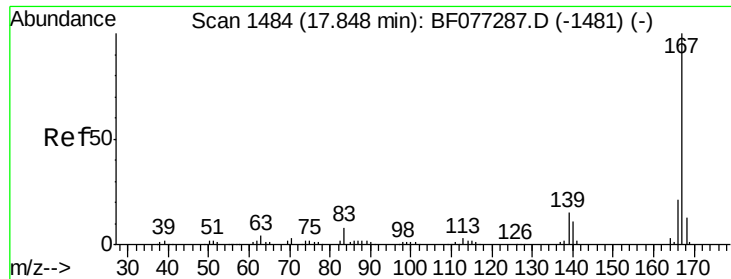
#70
Phenanthrene
Concen: 7.41 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion:178 Resp: 43548
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 14.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

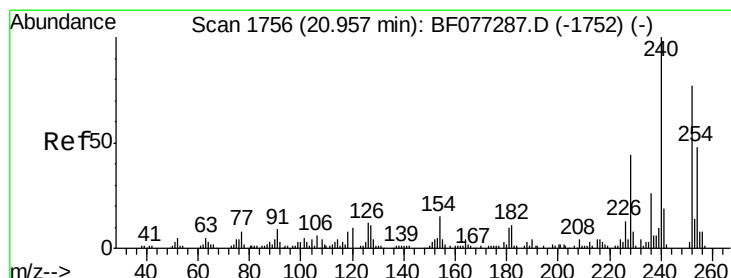
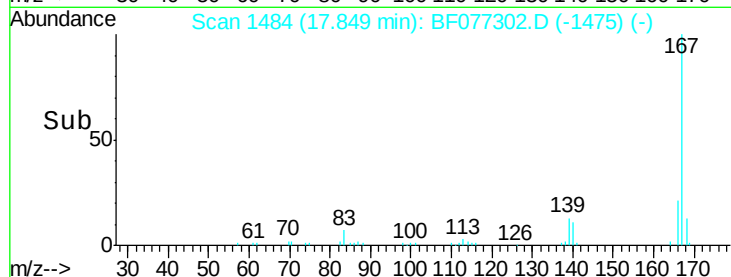
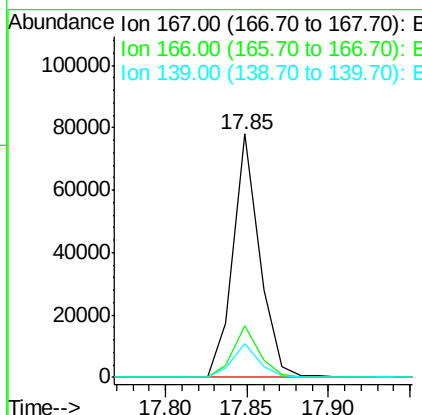
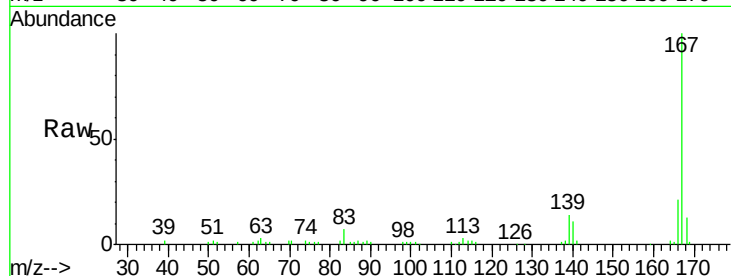




#72
 Carbazole
 Concen: 15.64 ng
 RT: 17.85 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: BF077302.D
 Acq: 13 Feb 2015 1:45

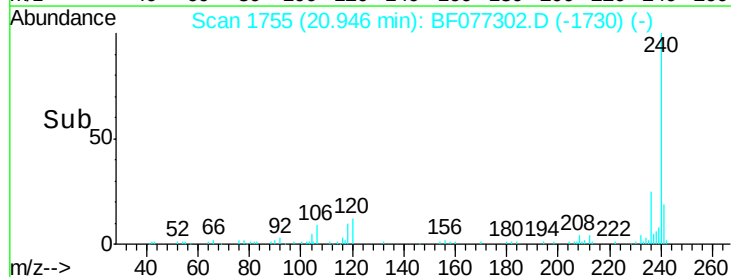
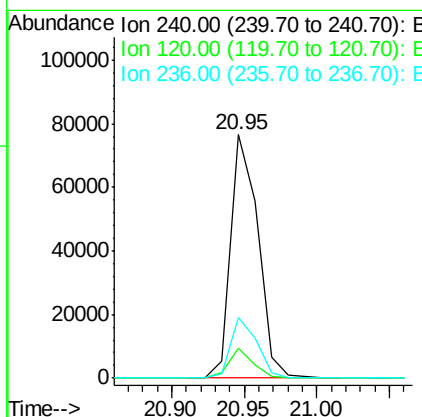
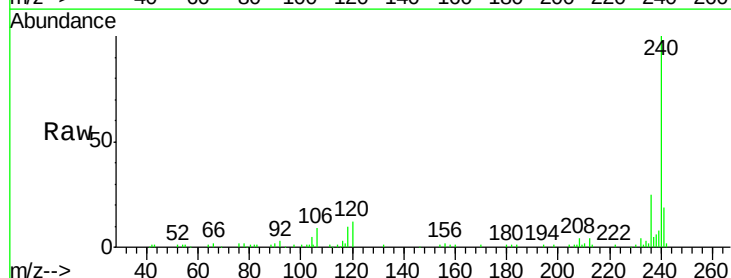
Instrument :
 BNA_F
 ClientSampled :
 PB81726TB

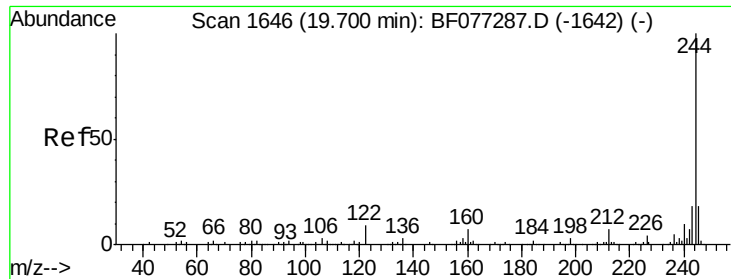
Tgt Ion:167 Resp: 88015
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 14.0 11.7 17.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 20.95 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF077302.D
 Acq: 13 Feb 2015 1:45

Tgt Ion:240 Resp: 99842
 Ion Ratio Lower Upper
 240 100
 120 12.1 7.8 11.8#
 236 24.9 20.4 30.6





#78

Terphenyl-d14

Concen: 99.14 ng

RT: 19.70 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

ClientSampleId :

PB81726TB

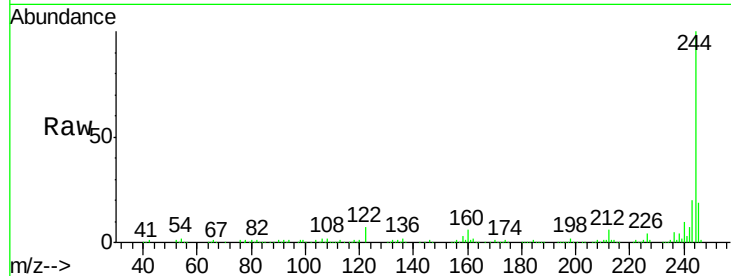
Tgt Ion:244 Resp: 440694

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

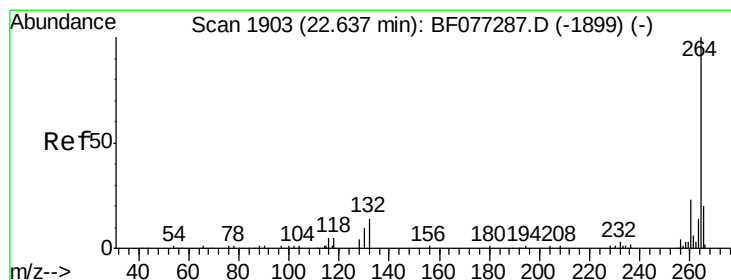
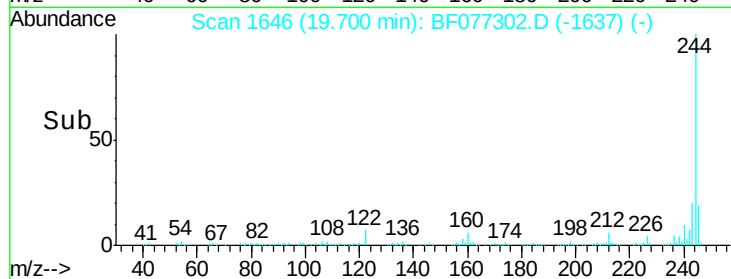
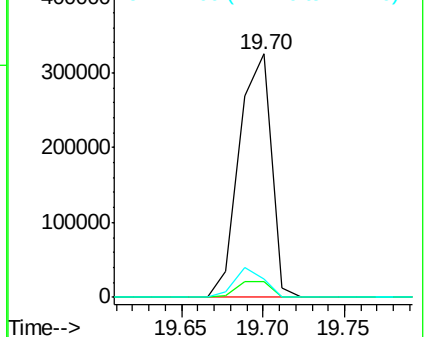
122 7.4 7.0 10.4



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: 22.59 min Scan# 1899

Delta R.T. -0.05 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

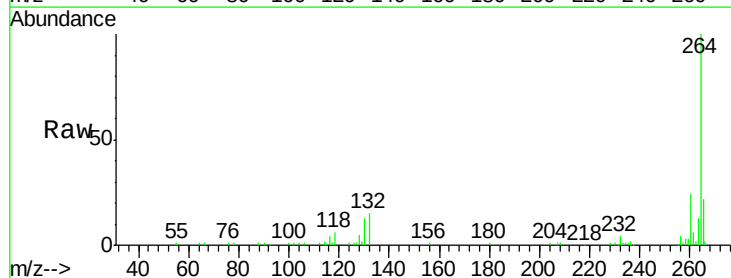
Tgt Ion:264 Resp: 88512

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 21.9 16.2 24.2



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

