

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF078015.D
 Acq On : 27 Mar 2015 2:10
 Operator : TP/IZ
 Sample : G1653-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD1

Quant Time: Mar 27 05:55:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 05:57:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	37434	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	154465	20.00	ng	0.00
38) Acenaphthene-d10	10.83	164	74337	20.00	ng	-0.01
63) Phenanthrene-d10	12.67	188	152948	20.00	ng	0.00
75) Chrysene-d12	15.95	240	158457	20.00	ng	0.00
86) Perylene-d12	17.64	264	151863	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	311353	145.18	ng	0.01
7) Phenol-d6	6.67	99	385474	145.48	ng	0.00
23) Nitrobenzene-d5	7.79	82	238723	101.31	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	97557	137.16	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	470062	92.93	ng	0.00
78) Terphenyl-d14	14.67	244	516975	79.69	ng	0.00

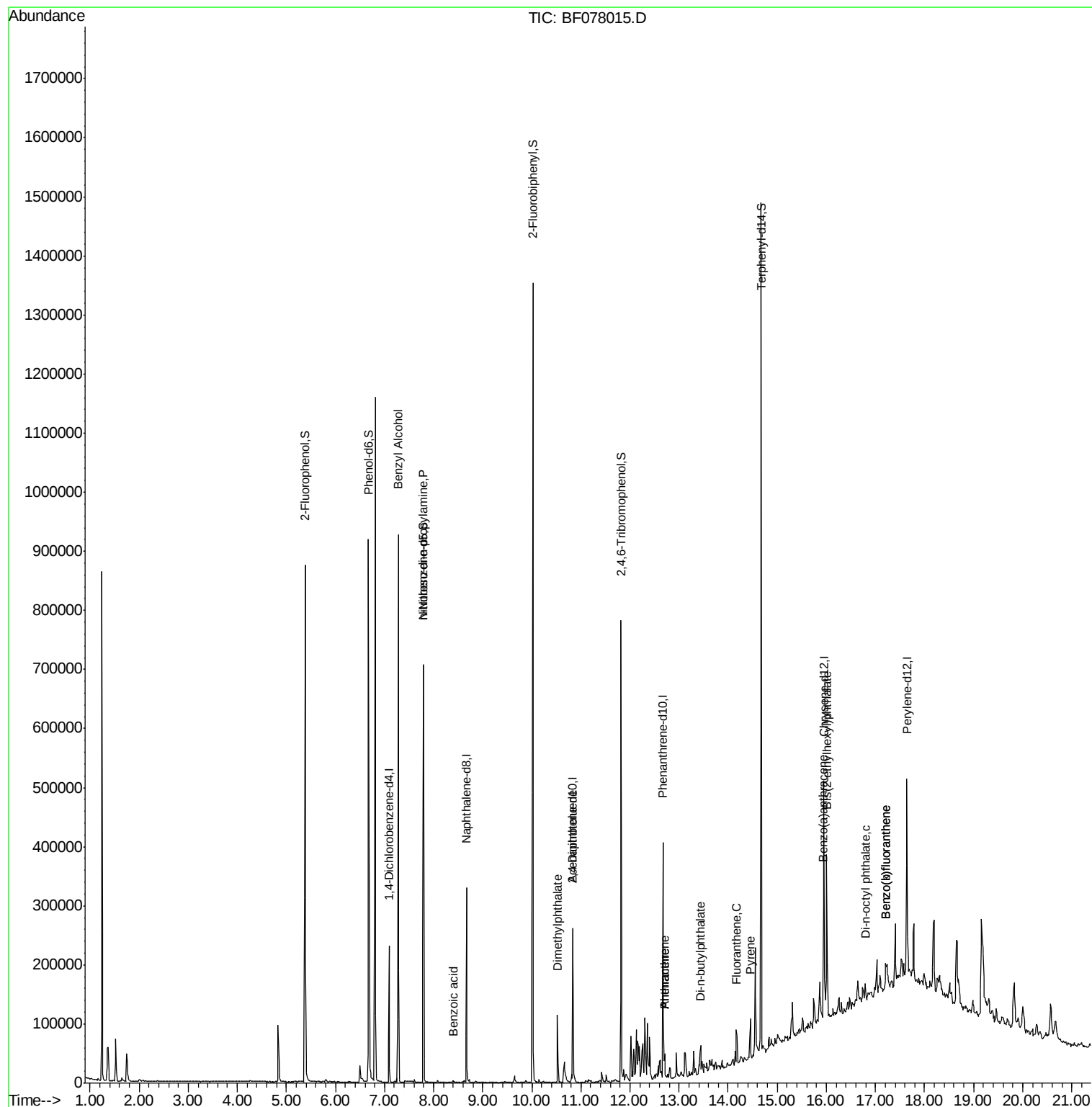
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.28	79	4234	2.05	ng	# 49
19) n-Nitroso-di-n-propylamine	7.79	70	29874	16.30	ng	# 79
32) Benzoic acid	8.40	122	207	3.25	ng	92
49) Dimethylphthalate	10.52	163	49729	9.02	ng	100
56) 2,4-Dinitrotoluene	10.83	165	9479	6.36	ng	# 11
70) Phenanthrene	12.71	178	19313	2.20	ng	97
71) Anthracene	12.71	178	19313	2.23	ng	98
73) Di-n-butylphthalate	13.44	149	27247	2.94	ng	99
74) Fluoranthene	14.17	202	32983	3.41	ng	93
76) Benzidine	14.34	184	206	Below Cal		# 68
77) Pyrene	14.45	202	31112	3.12	ng	96
80) Benzo(a)anthracene	15.94	228	18873	2.01	ng	93
83) Bis(2-ethylhexyl)phthalate	16.01	149	97878	16.45	ng	# 95
84) Di-n-octyl phthalate	16.80	149	20845	2.05	ng	# 93
87) Benzo(b)fluoranthene	17.21	252	30611	3.09	ng	# 86
88) Benzo(k)fluoranthene	17.21	252	30611	3.95	ng	# 83

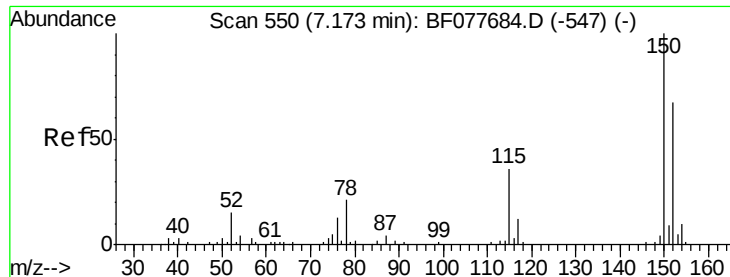
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

Instrument :

BNA_F

ClientSampleId :

FD1

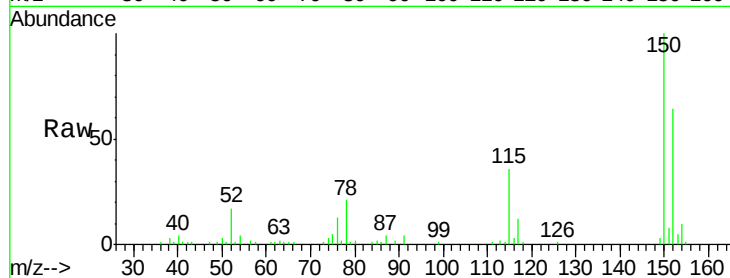
Tgt Ion:152 Resp: 37434

Ion Ratio Lower Upper

152 100

150 157.4 119.5 179.3

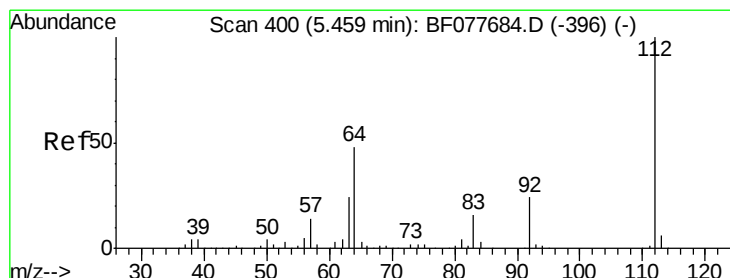
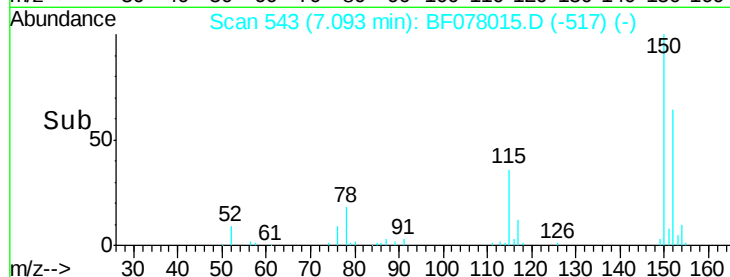
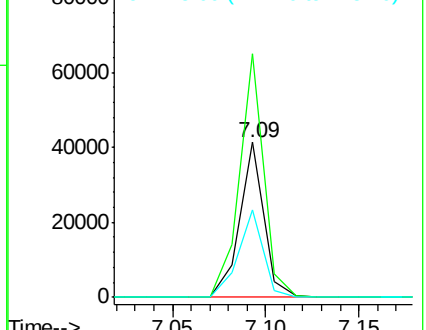
115 56.9 43.0 64.4



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: 145.18 ng

RT: 5.38 min Scan# 393

Delta R.T. 0.01 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

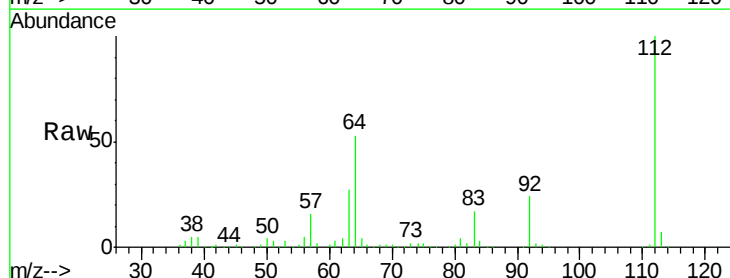
Tgt Ion:112 Resp: 311353

Ion Ratio Lower Upper

112 100

64 53.4 38.6 57.8

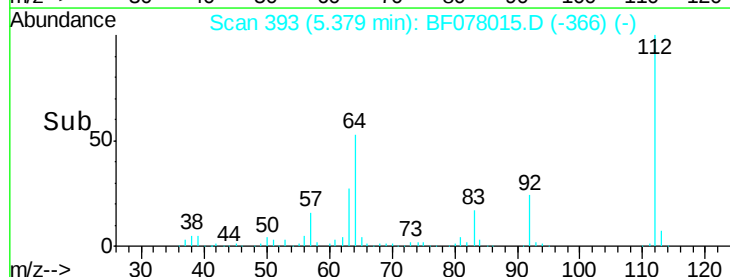
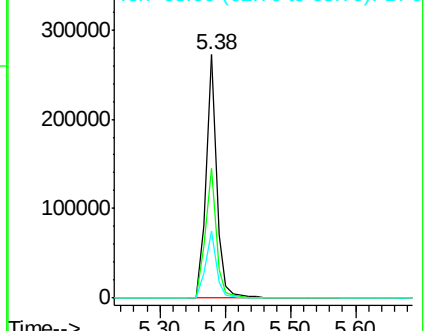
63 27.5 19.3 28.9

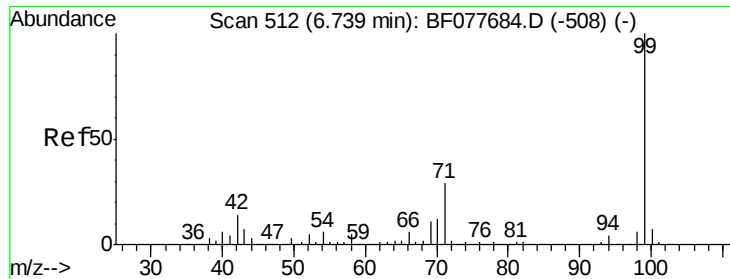


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.48 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

Instrument :

BNA_F

ClientSampleId :

FD1

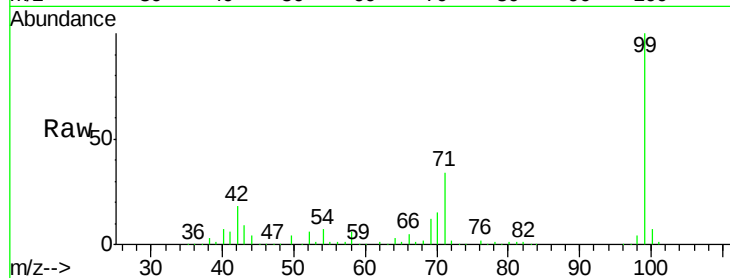
Tgt Ion: 99 Resp: 385474

Ion Ratio Lower Upper

99 100

42 18.2 11.0 16.4#

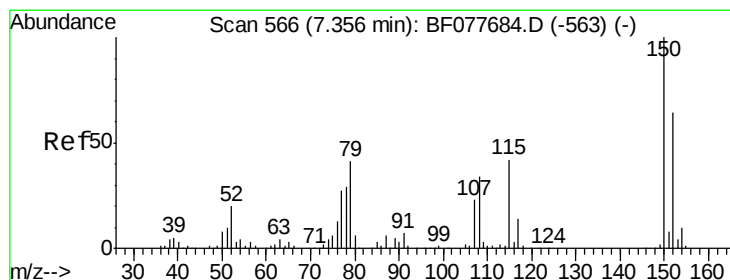
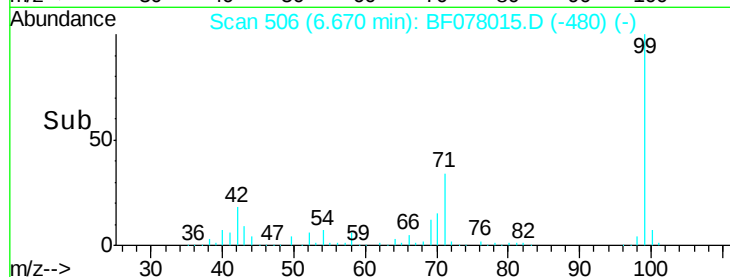
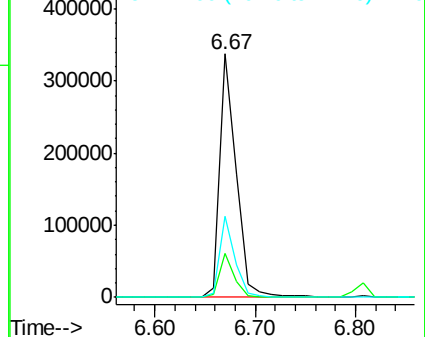
71 33.5 23.4 35.2



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



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.28 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

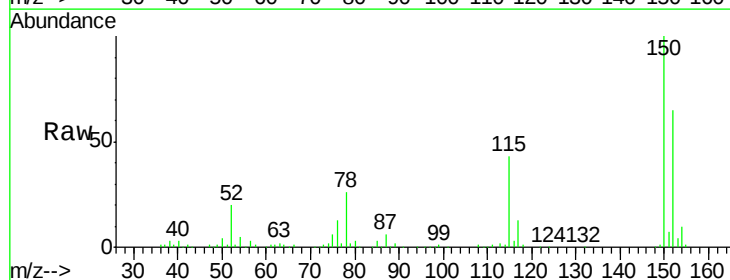
Tgt Ion: 79 Resp: 4234

Ion Ratio Lower Upper

79 100

108 32.2 65.0 97.4#

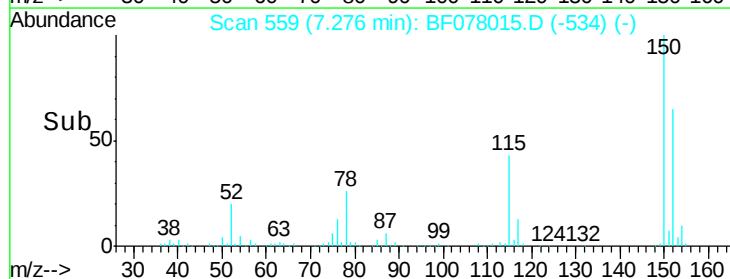
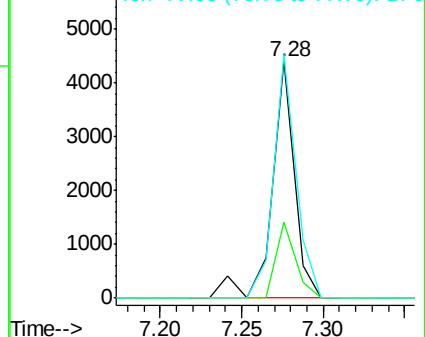
77 102.7 53.0 79.6#

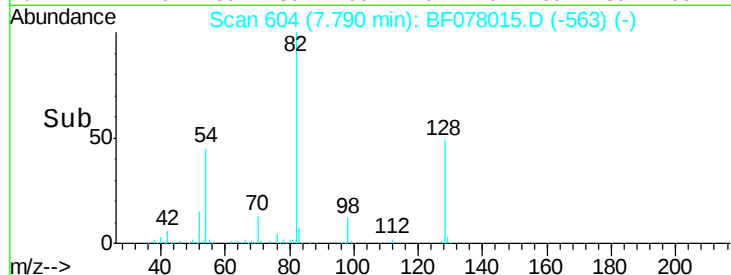
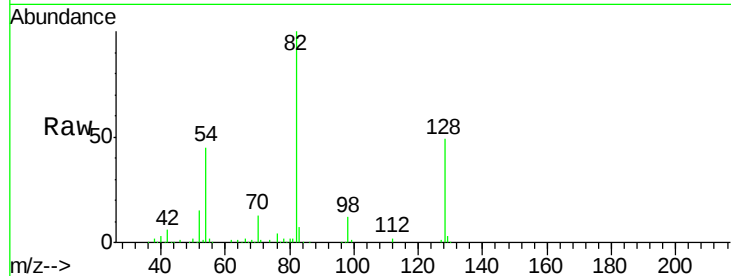
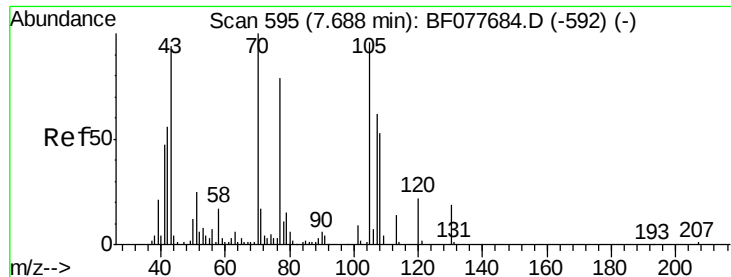


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

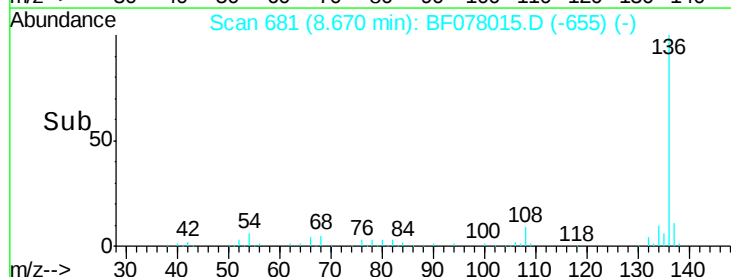
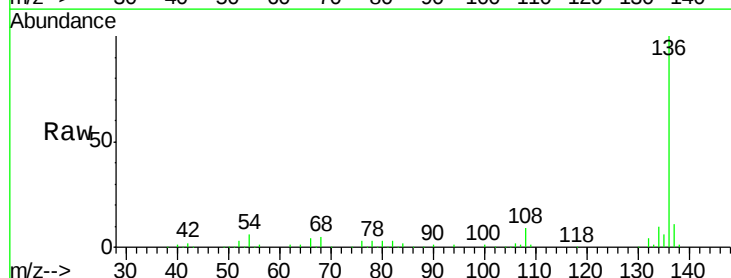
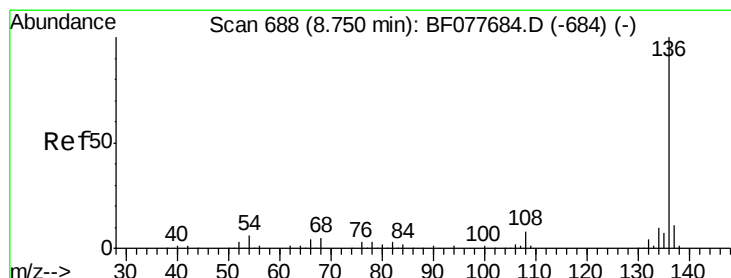
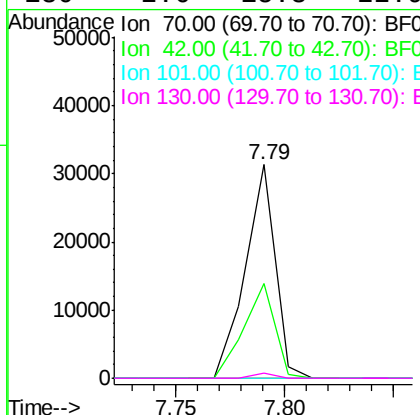




#19
n-Nitroso-di-n-propylamine
Concen: 16.30 ng
RT: 7.79 min Scan# 604
Delta R.T. 0.17 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

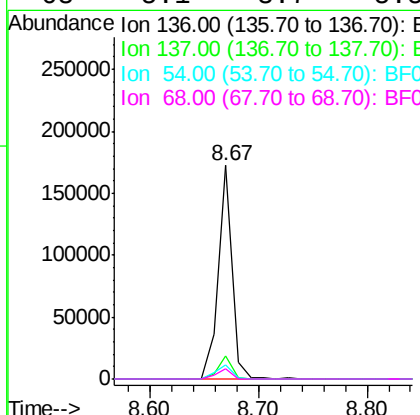
Instrument :
BNA_F
ClientSampled :
FD1

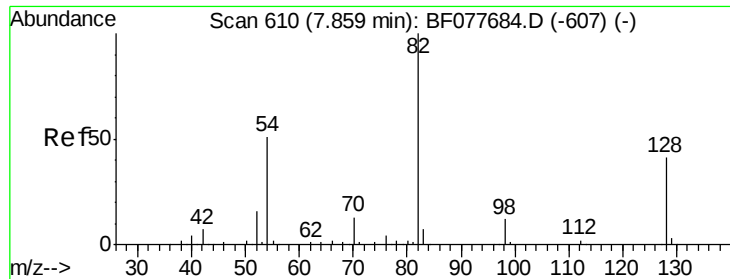
Tgt Ion: 70 Resp: 29874
Ion Ratio Lower Upper
70 100
42 44.4 44.5 66.7#
101 0.0 7.4 11.2#
130 2.6 15.3 22.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.67 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

Tgt Ion: 136 Resp: 154465
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.4 4.6 6.8
68 5.1 3.7 5.5

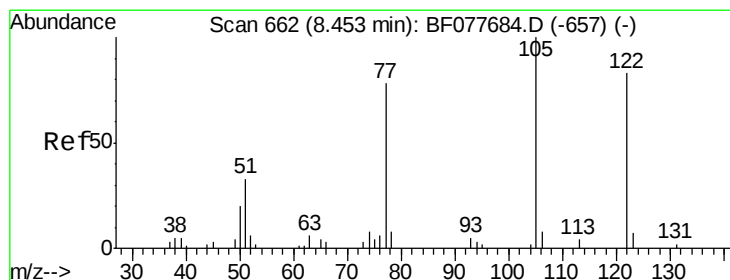
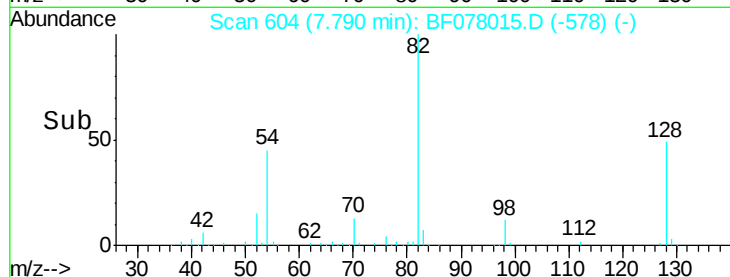
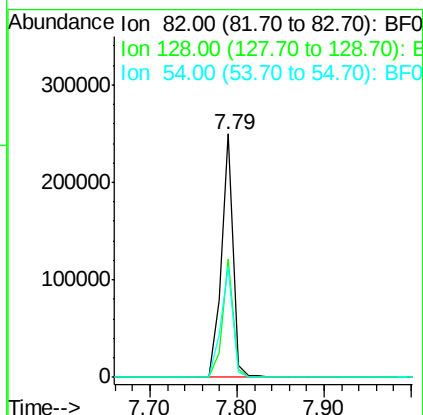
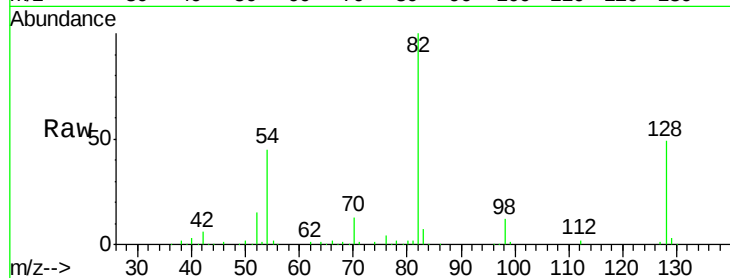




#23
 Nitrobenzene-d5
 Concen: 101.31 ng
 RT: 7.79 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

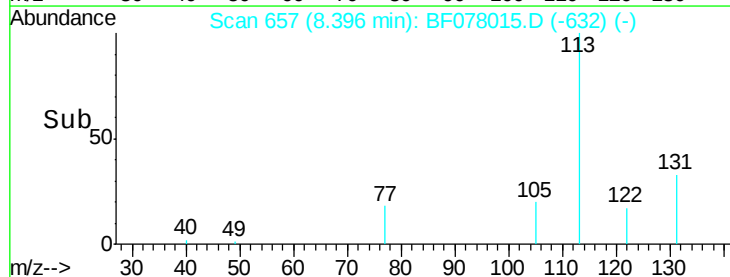
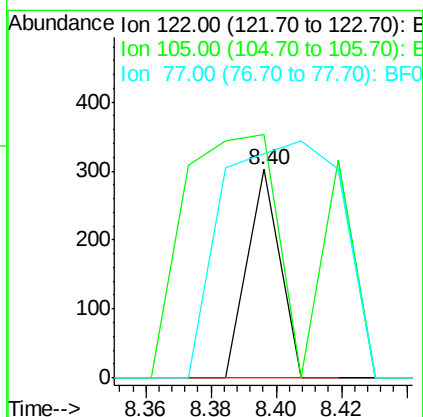
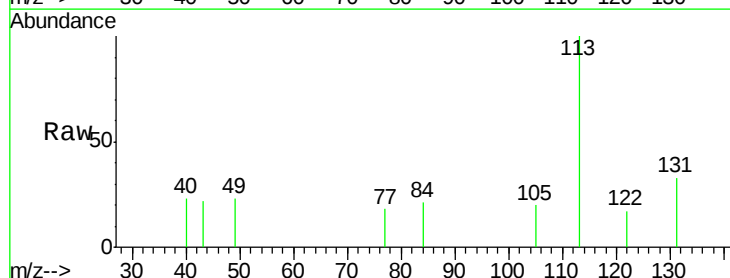
Instrument :
 BNA_F
 ClientSampleId :
 FD1

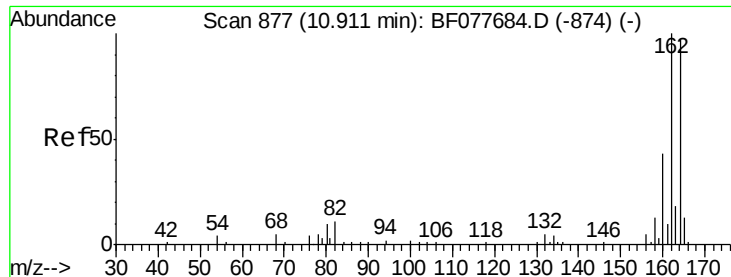
Tgt Ion: 82 Resp: 238723
 Ion Ratio Lower Upper
 82 100
 128 48.6 32.8 49.2
 54 45.5 40.6 60.8



#32
 Benzoic acid
 Concen: 3.25 ng
 RT: 8.40 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

Tgt Ion: 122 Resp: 207
 Ion Ratio Lower Upper
 122 100
 105 116.9 99.9 139.9
 77 107.6 73.7 113.7

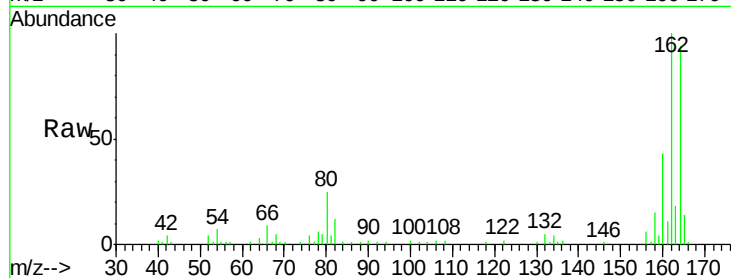




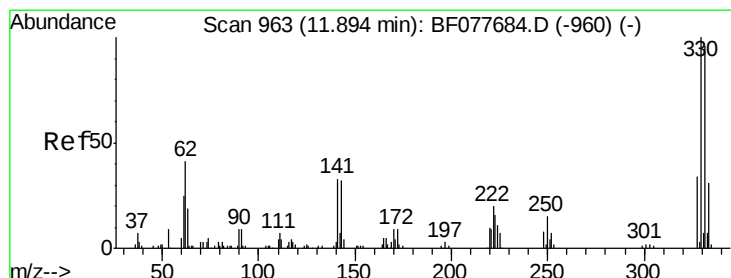
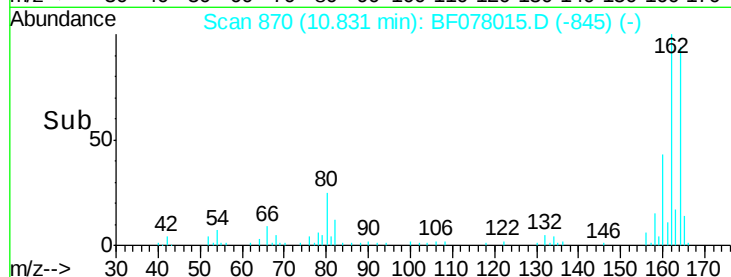
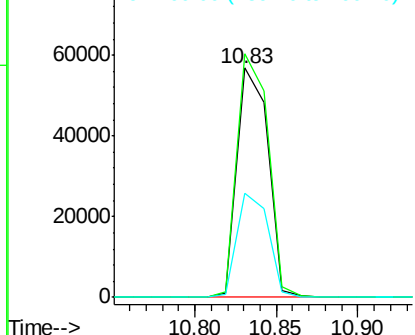
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

Instrument :
BNA_F
ClientSampleId :
FD1

Tgt Ion:164 Resp: 74337
Ion Ratio Lower Upper
164 100
162 106.3 82.4 123.6
160 45.2 35.8 53.6

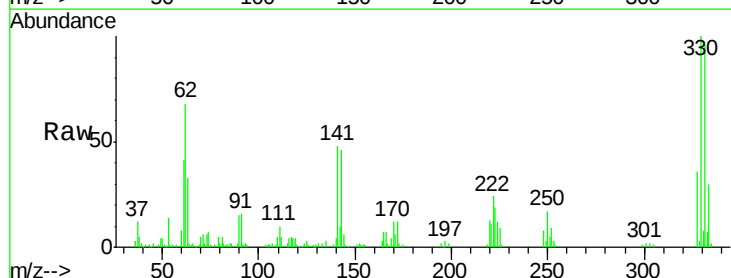


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

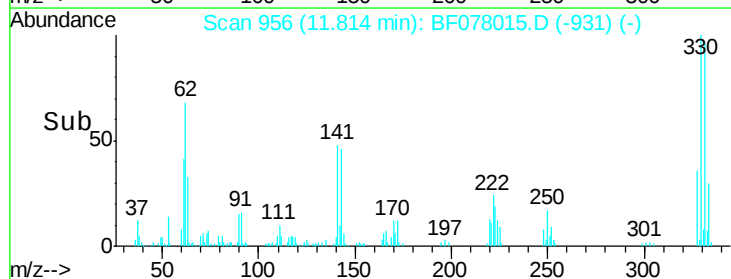
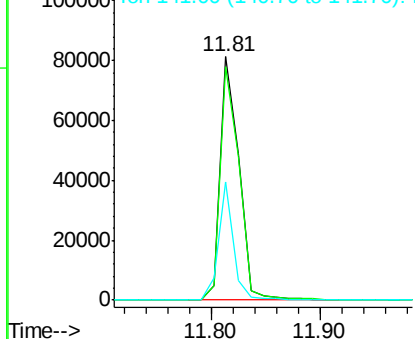


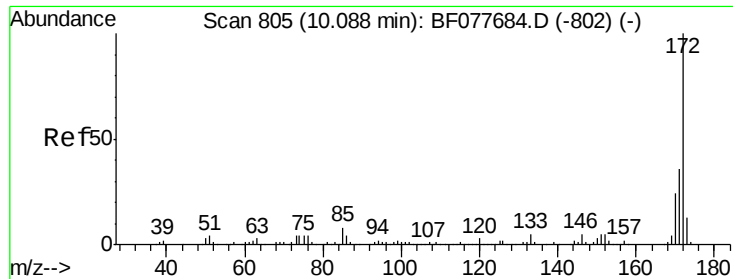
#41
2,4,6-Tribromophenol
Concen: 137.16 ng
RT: 11.81 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

Tgt Ion:330 Resp: 97557
Ion Ratio Lower Upper
330 100
332 96.5 0.0 0.0#
141 38.5 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

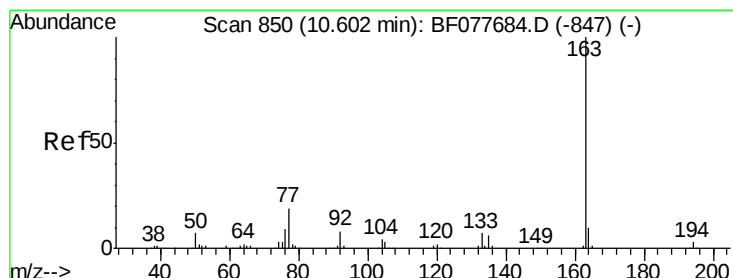
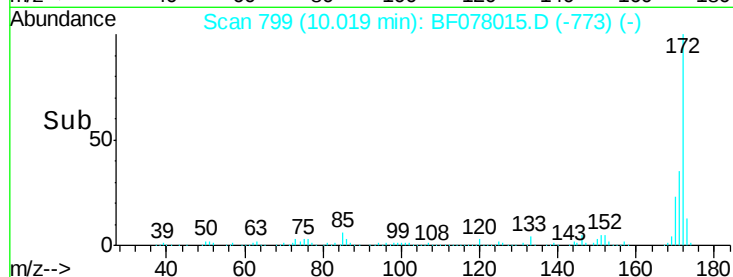
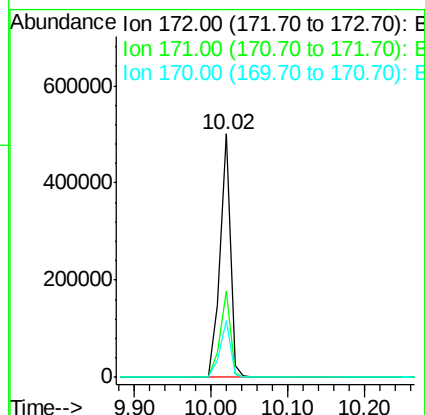
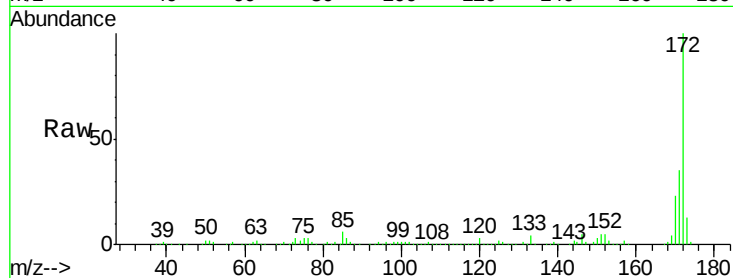




#44
 2-Fluorobiphenyl
 Concen: 92.93 ng
 RT: 10.02 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

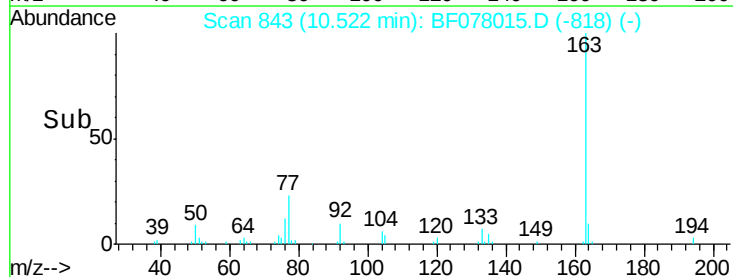
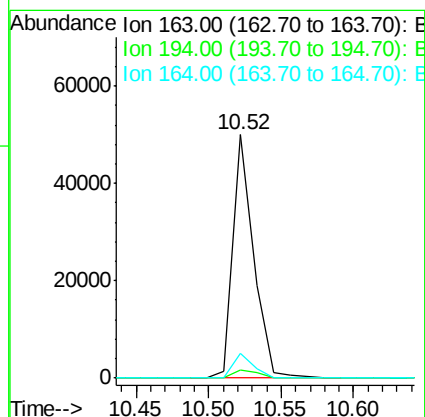
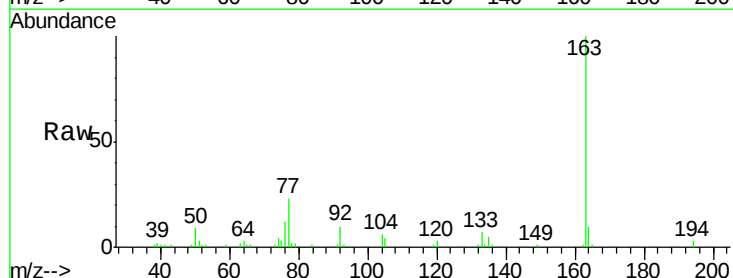
Instrument :
 BNA_F
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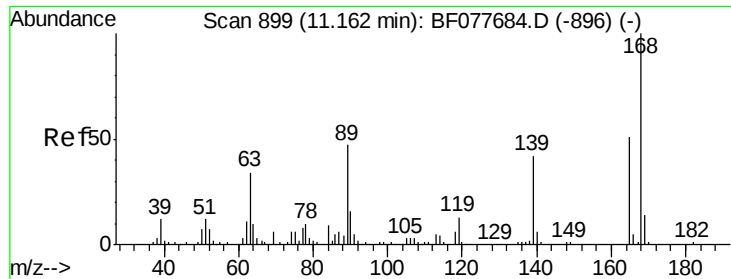
Tgt Ion:172 Resp: 470062
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 23.2 18.8 28.2



#49
 Dimethylphthalate
 Concen: 9.02 ng
 RT: 10.52 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

Tgt Ion:163 Resp: 49729
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 10.3 8.2 12.2

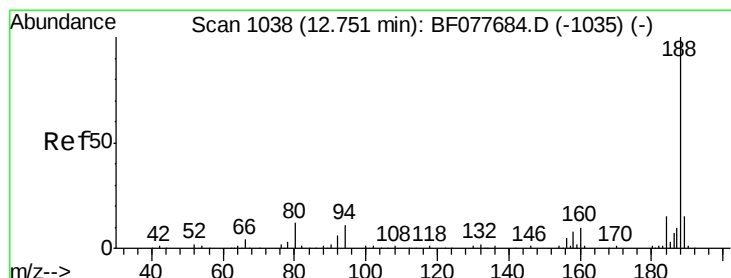
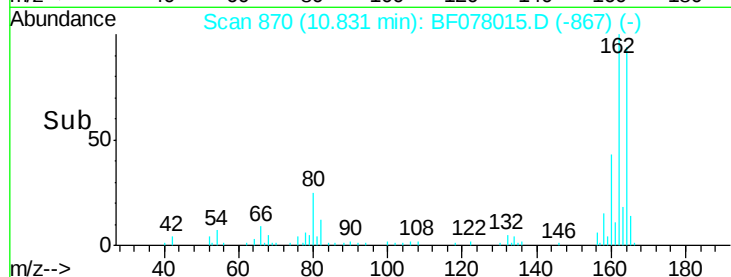
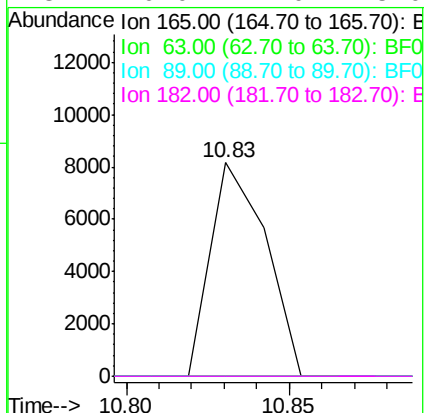
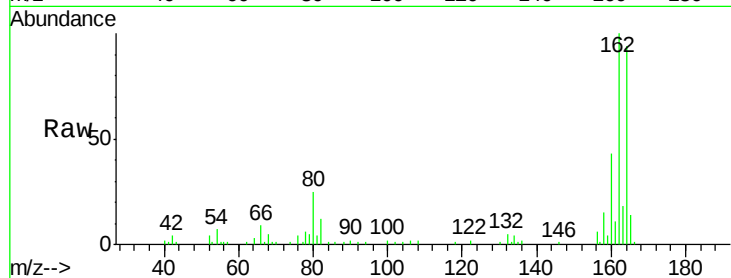




#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 10.83 min Scan# 870
 Delta R.T. -0.26 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

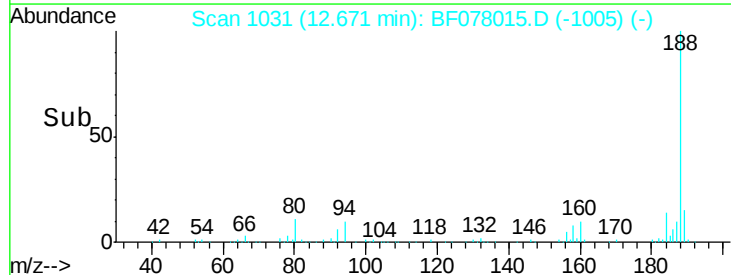
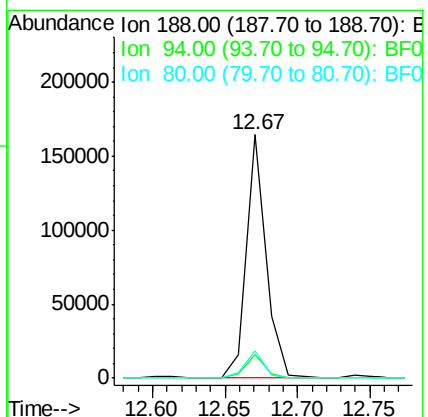
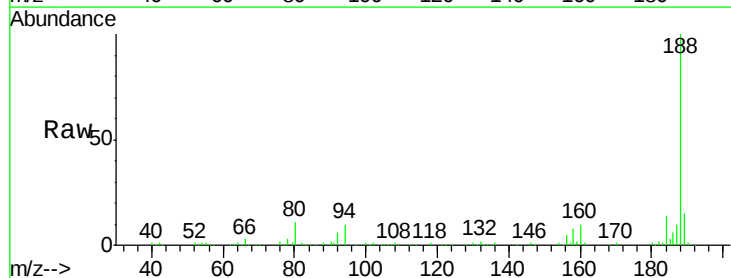
Instrument :
 BNA_F
 ClientSampleId :
 FD1

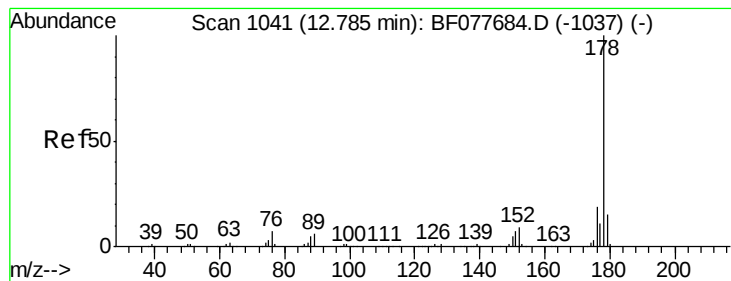
Tgt Ion:165 Resp: 9479
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.4 78.6#
 89 0.0 72.4 108.6#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.67 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

Tgt Ion:188 Resp: 152948
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.7 13.1
 80 11.0 9.3 13.9





#70

Phenanthrene

Concen: 2.20 ng

RT: 12.71 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

Instrument :

BNA_F

ClientSampleId :

FD1

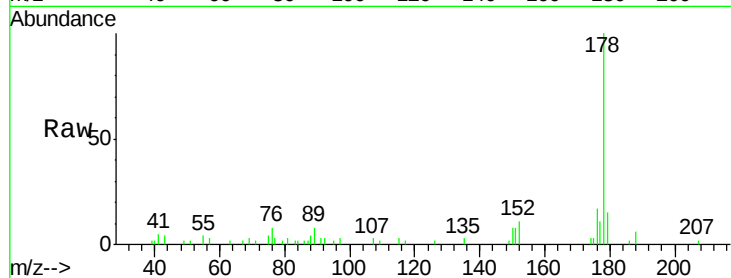
Tgt Ion:178 Resp: 19313

Ion Ratio Lower Upper

178 100

176 16.9 15.2 22.8

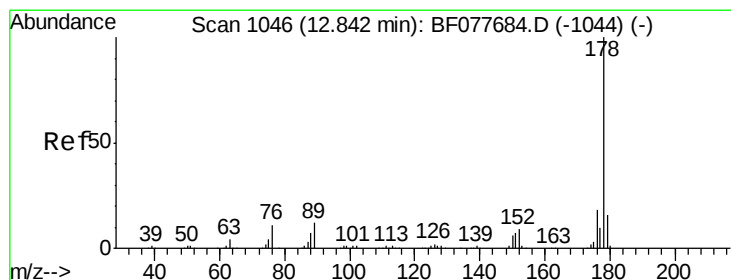
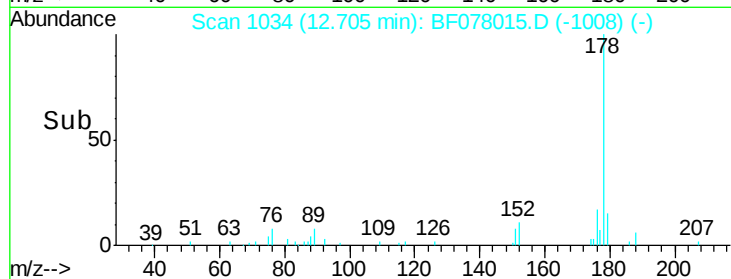
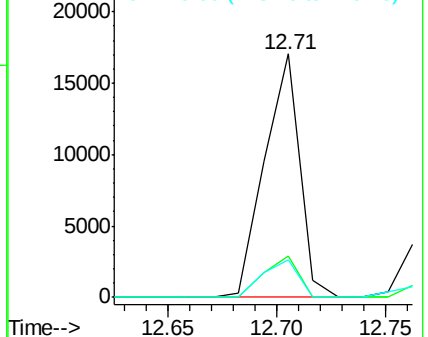
179 15.5 12.1 18.1



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



#71

Anthracene

Concen: 2.23 ng

RT: 12.71 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

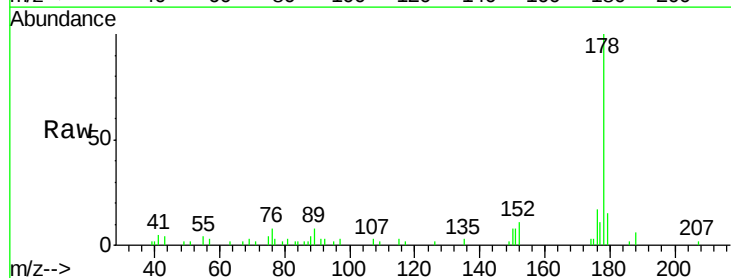
Tgt Ion:178 Resp: 19313

Ion Ratio Lower Upper

178 100

176 16.9 14.6 22.0

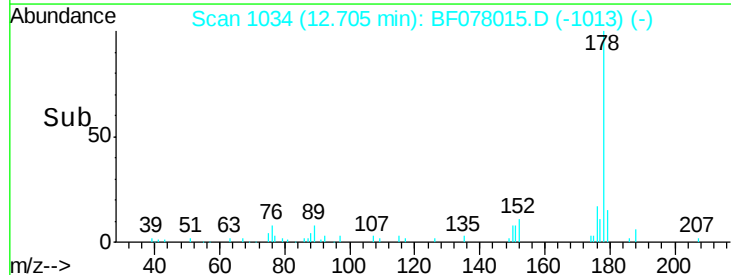
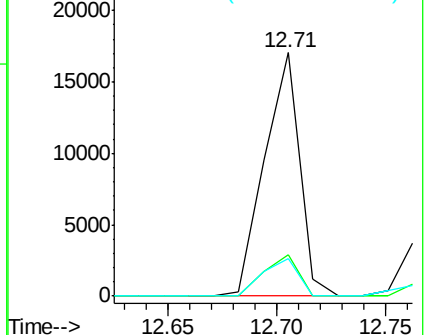
179 15.5 12.6 19.0

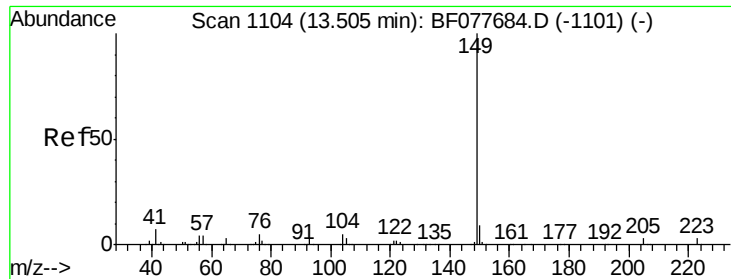


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

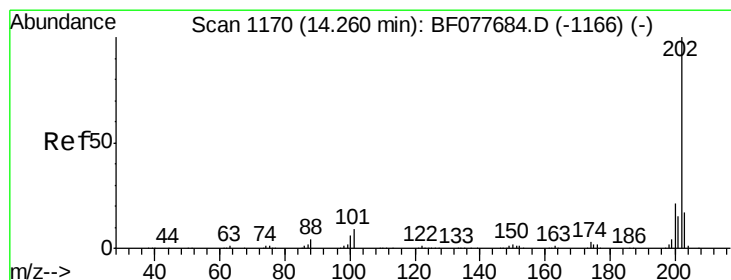
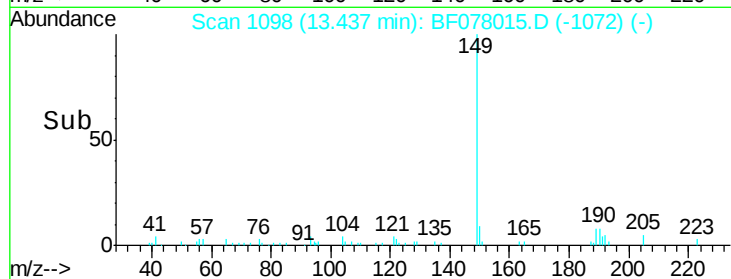
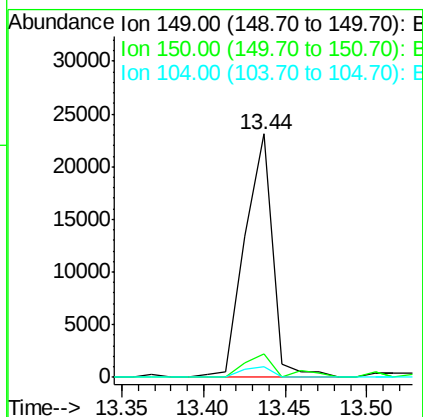
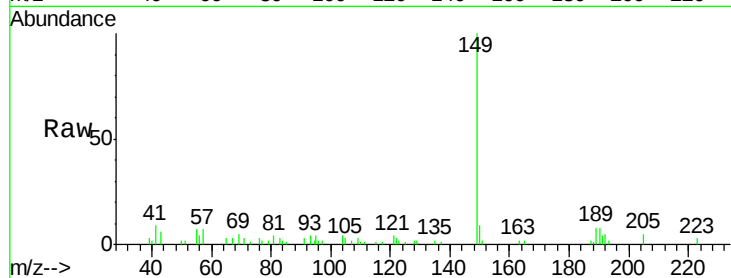




#73
Di-n-butylphthalate
Concen: 2.94 ng
RT: 13.44 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

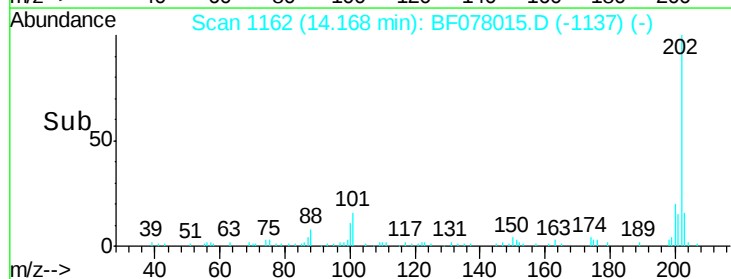
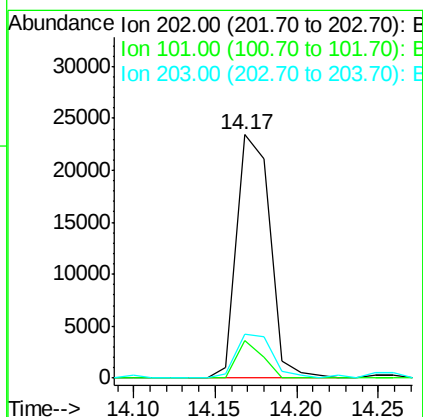
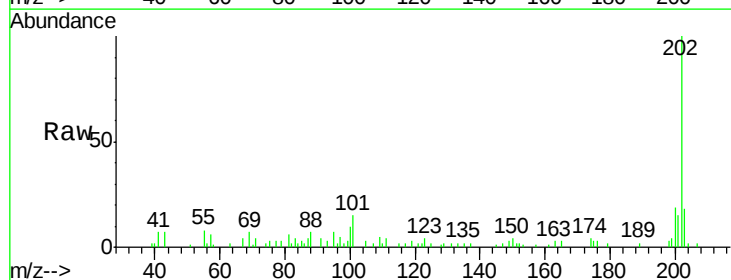
Instrument :
BNA_F
ClientSampleId :
FD1

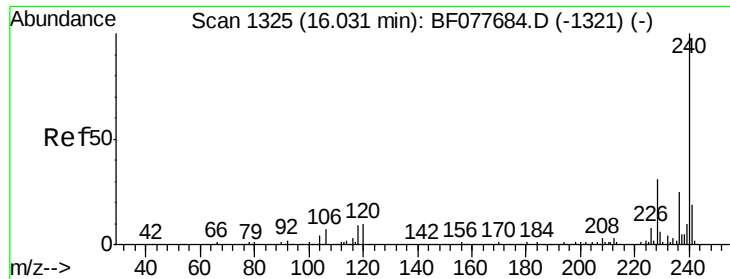
Tgt Ion:149 Resp: 27247
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.1 3.7 5.5



#74
Fluoranthene
Concen: 3.41 ng
RT: 14.17 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

Tgt Ion:202 Resp: 32983
Ion Ratio Lower Upper
202 100
101 15.3 0.0 28.7
203 17.9 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.95 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

Instrument :

BNA_F

ClientSampleId :

FD1

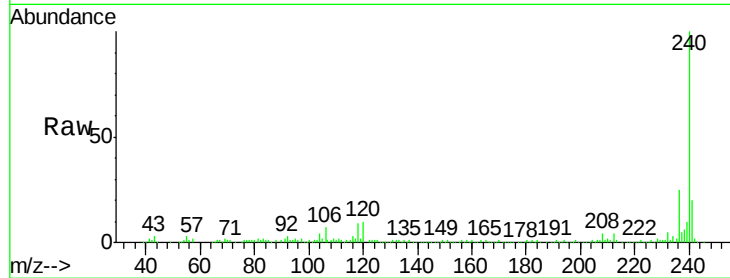
Tgt Ion:240 Resp: 158457

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

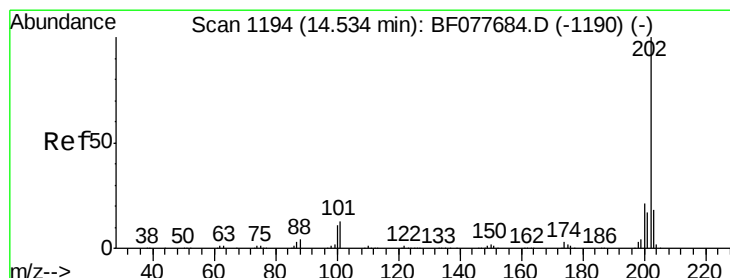
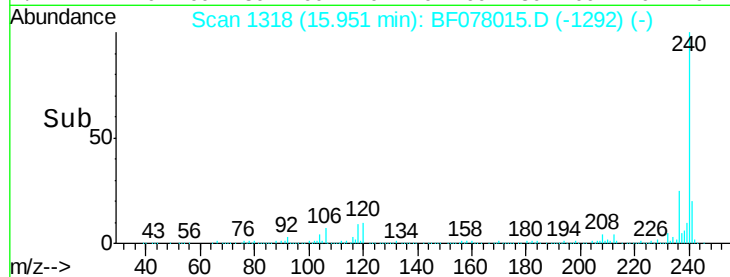
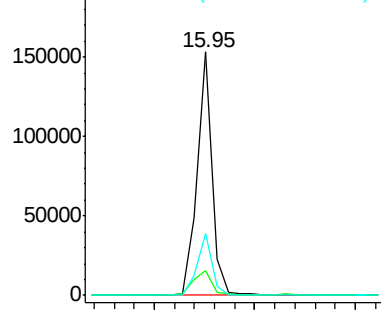
236 25.3 20.0 30.0



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



#77

Pyrene

Concen: 3.12 ng

RT: 14.45 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

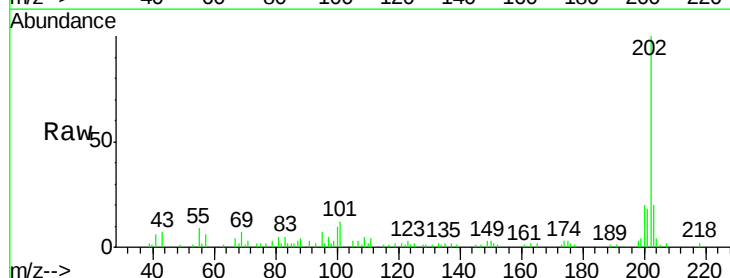
Tgt Ion:202 Resp: 31112

Ion Ratio Lower Upper

202 100

200 20.0 16.9 25.3

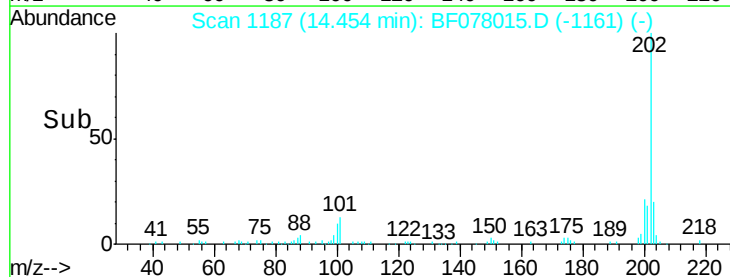
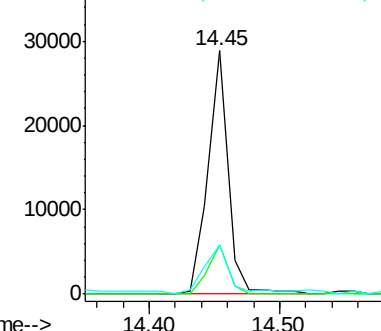
203 20.3 14.1 21.1

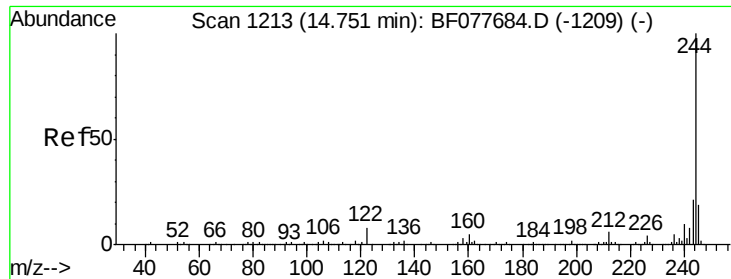


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

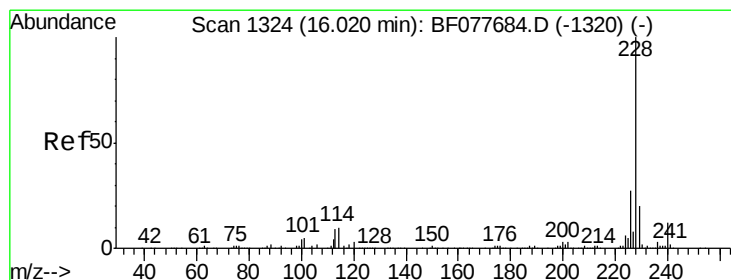
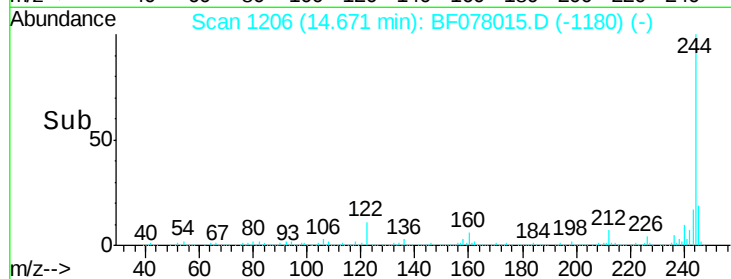
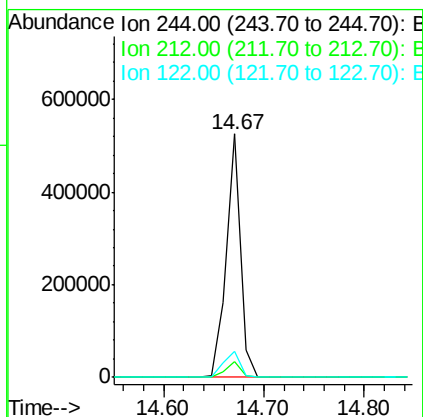
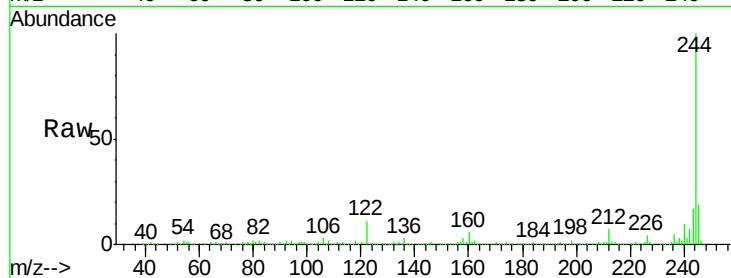




#78
 Terphenyl-d14
 Concen: 79.69 ng
 RT: 14.67 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

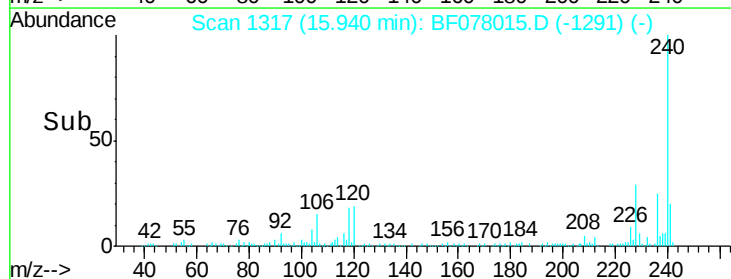
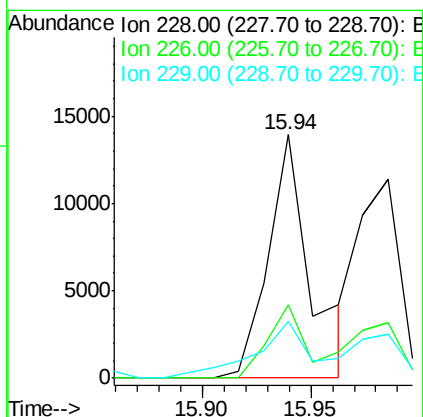
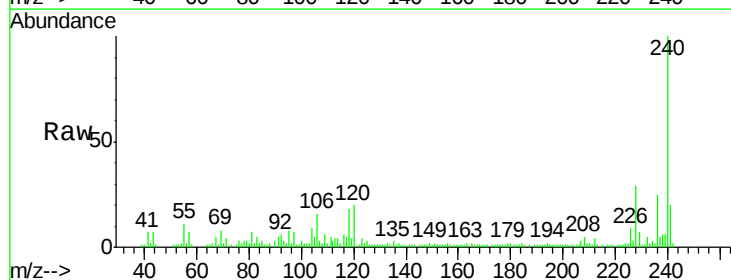
Instrument :
 BNA_F
 ClientSampleId :
 FD1

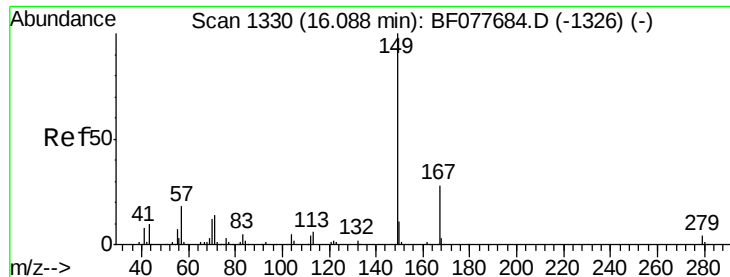
Tgt Ion: 244 Resp: 516975
 Ion Ratio Lower Upper
 244 100
 212 6.6 4.9 7.3
 122 10.9 6.2 9.4#



#80
 Benzo(a)anthracene
 Concen: 2.01 ng
 RT: 15.94 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF078015.D
 Acq: 27 Mar 2015 2:10

Tgt Ion: 228 Resp: 18873
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.7 32.5
 229 23.5 16.0 24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 16.45 ng

RT: 16.01 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

Instrument :

BNA_F

ClientSampleId :

FD1

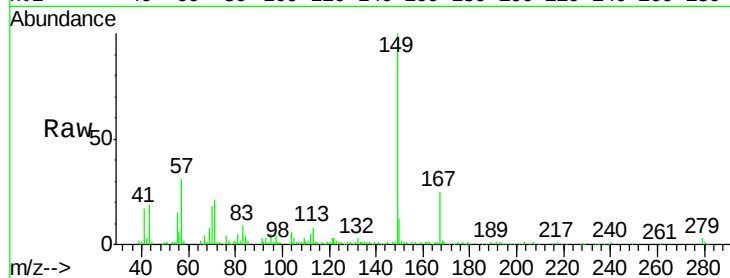
Tgt Ion:149 Resp: 97878

Ion Ratio Lower Upper

149 100

167 25.2 22.4 33.6

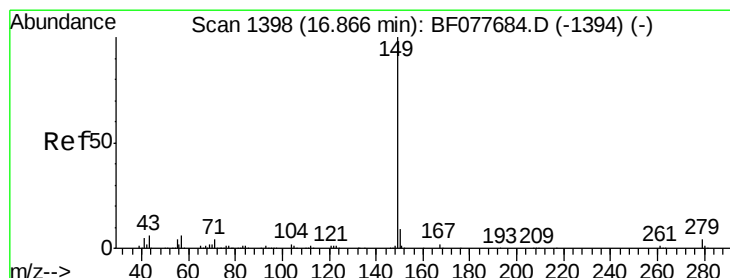
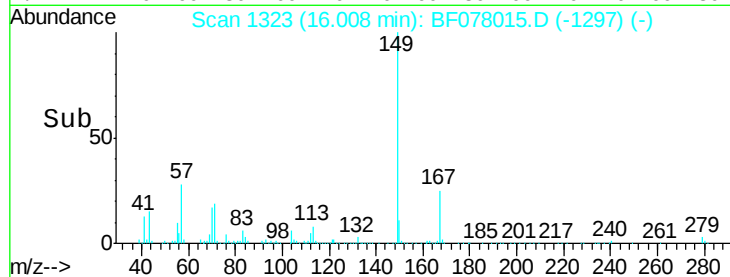
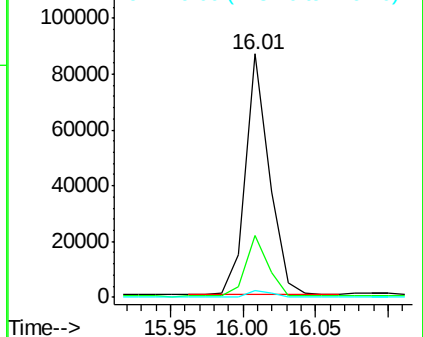
279 2.8 3.4 5.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 2.05 ng

RT: 16.80 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

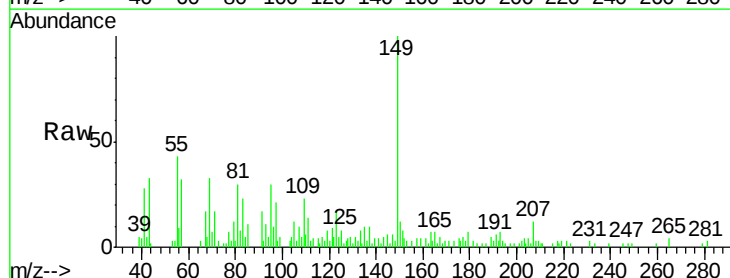
Tgt Ion:149 Resp: 20845

Ion Ratio Lower Upper

149 100

167 6.9 1.2 1.8#

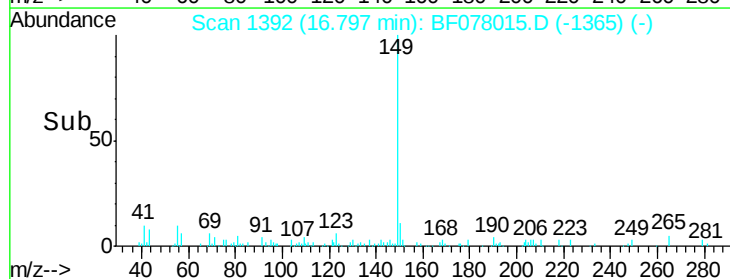
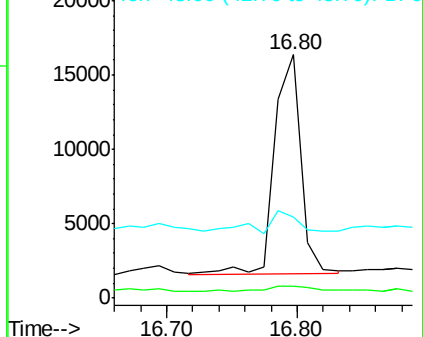
43 11.0 7.3 10.9#

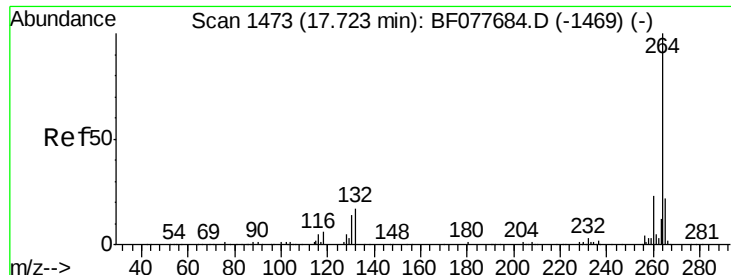


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

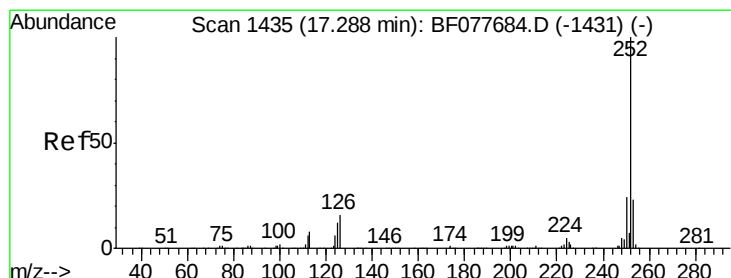
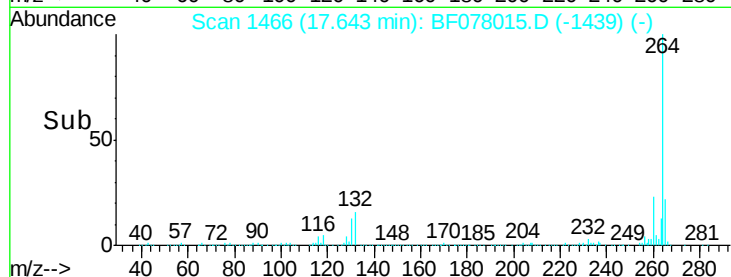
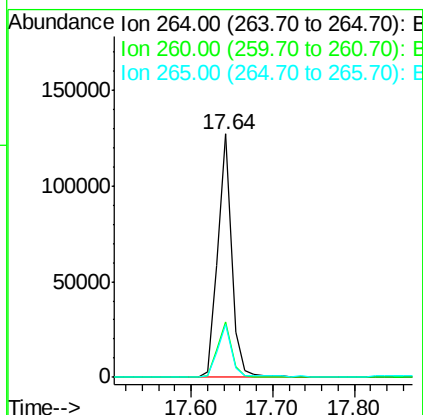
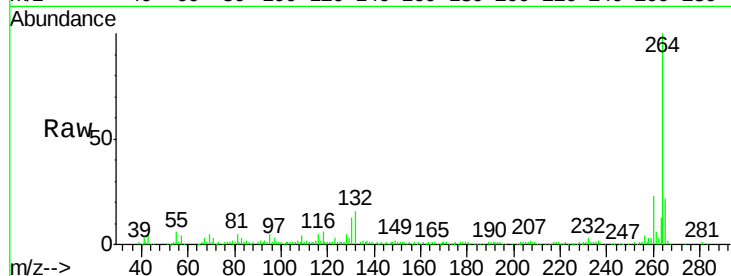




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.64 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

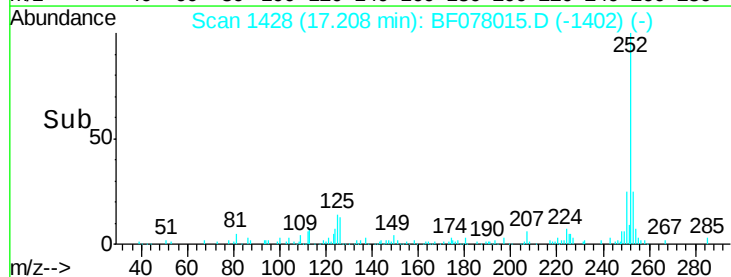
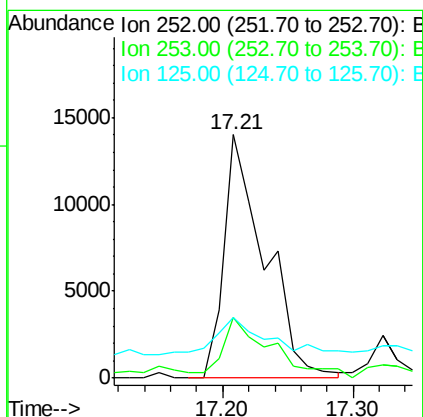
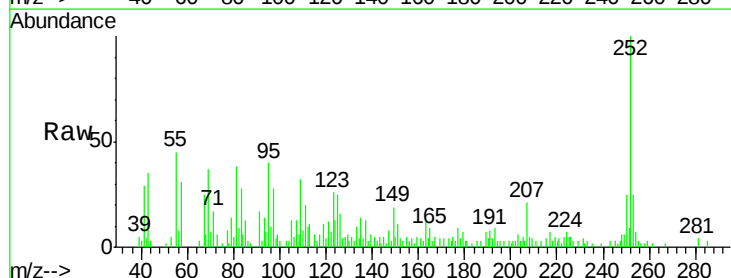
Instrument :
BNA_F
ClientSampleId :
FD1

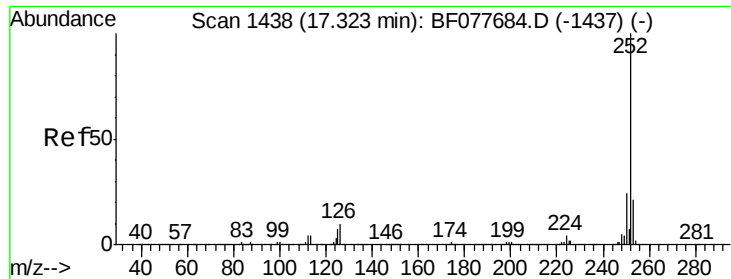
Tgt Ion: 264 Resp: 151863
Ion Ratio Lower Upper
264 100
260 22.9 18.6 27.8
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 3.09 ng
RT: 17.21 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BF078015.D
Acq: 27 Mar 2015 2:10

Tgt Ion: 252 Resp: 30611
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 24.9 9.9 14.9#





#88

Benzo(k)fluoranthene

Concen: 3.95 ng

RT: 17.21 min Scan# 1428

Delta R.T. -0.03 min

Lab File: BF078015.D

Acq: 27 Mar 2015 2:10

Instrument :

BNA_F

ClientSampleId :

FD1

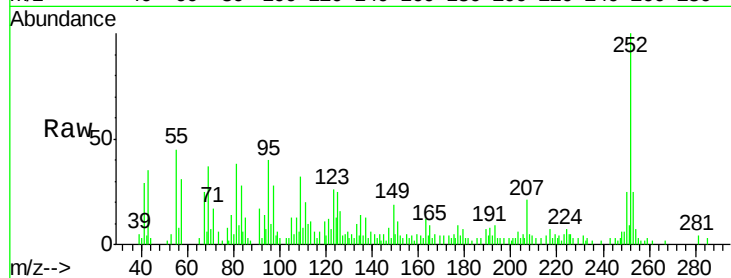
Tgt Ion: 252 Resp: 30611

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 24.9 8.1 12.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

