

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\
 Data File : BF079249.D
 Acq On : 14 May 2015 23:44
 Operator : TP/IZ
 Sample : G2177-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

Quant Time: May 15 01:16:27 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 00:55:32 2015
 Response via : Initial Calibration

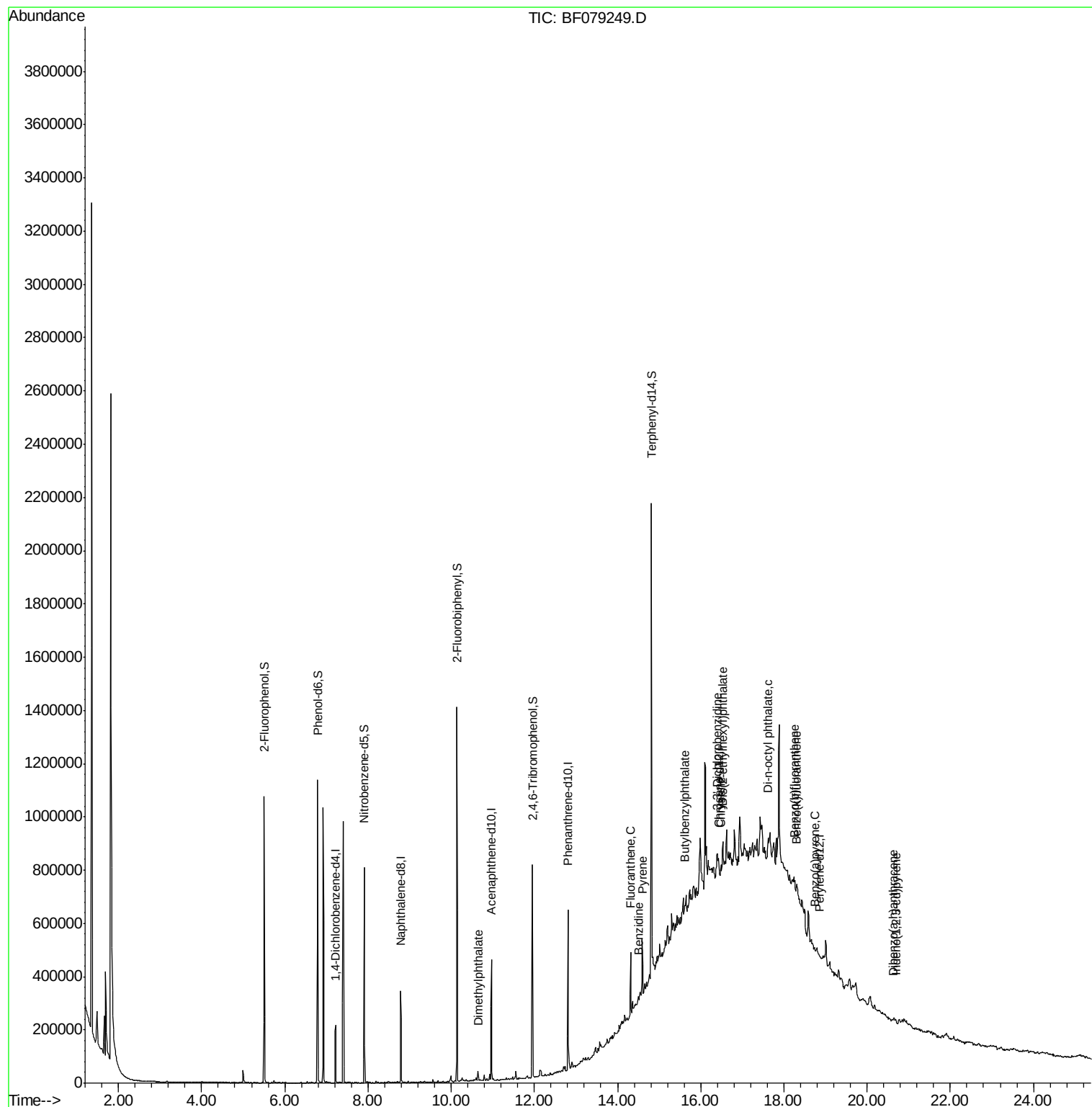
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	48541	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	207592	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	113543	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	223725	20.00	ng	-0.01
75) Chrysene-d12	16.45	240	2394	20.00	ng	-0.06
86) Perylene-d12	18.86	264	658	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	327005	115.96	ng	0.00
7) Phenol-d6	6.79	99	470422	126.21	ng	0.00
23) Nitrobenzene-d5	7.91	82	251064	69.51	ng	-0.01
41) 2,4,6-Tribromophenol	11.95	330	153075	124.62	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	510682	62.66	ng	-0.01
78) Terphenyl-d14	14.81	244	506686	5067.17	ng	-0.11
Target Compounds						Qvalue
49) Dimethylphthalate	10.65	163	20520	2.46	ng	97
74) Fluoranthene	14.32	202	102843	7.89	ng	95
76) Benzidine	14.51	184	206	3.19	ng	# 1
77) Pyrene	14.59	202	98091	711.04	ng	96
79) Butylbenzylphthalate	15.61	149	605	10.03	ng	# 72
81) 3,3'-Dichlorobenzidine	16.39	252	1584	33.92	ng	# 1
82) Chrysene	16.48	228	272	2.16	ng	# 1
83) Bis(2-ethylhexyl)phthalate	16.53	149	1440	15.77	ng	# 72
84) Di-n-octyl phthalate	17.62	149	7038	43.75	ng	# 100
85) Indeno(1,2,3-cd)pyrene	20.69	276	439	2.73	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	352	9.77	ng	# 1
88) Benzo(k)fluoranthene	18.30	252	264	7.57	ng	# 1
89) Benzo(a)pyrene	18.75	252	112	3.38	ng	# 1
90) Dibenzo(a,h)anthracene	20.62	278	234	6.64	ng	# 1

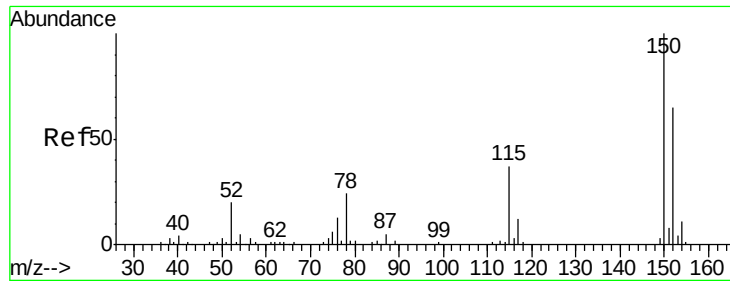
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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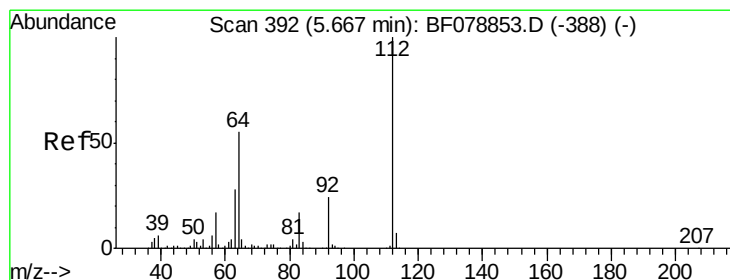
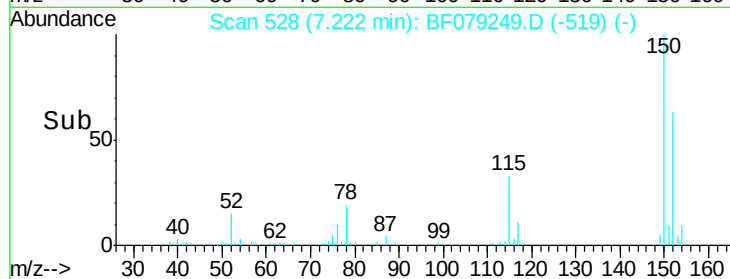
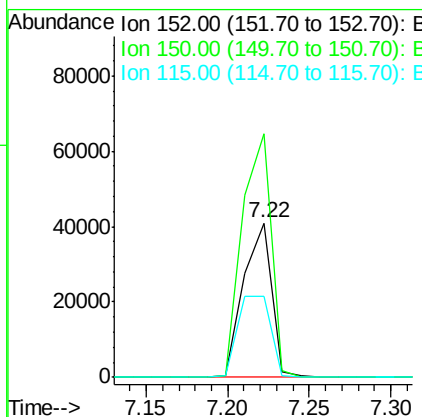
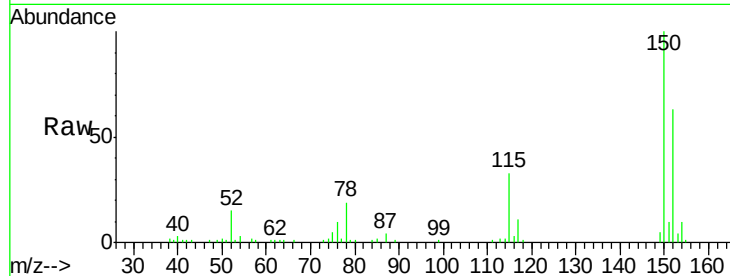




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.22 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

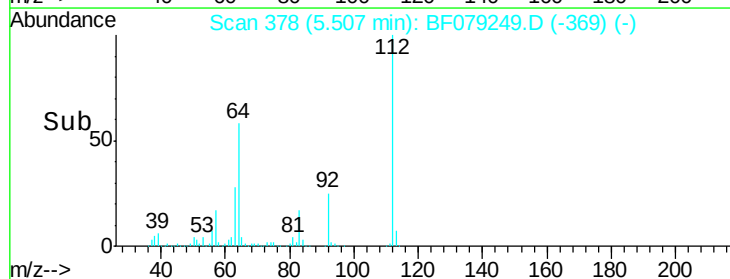
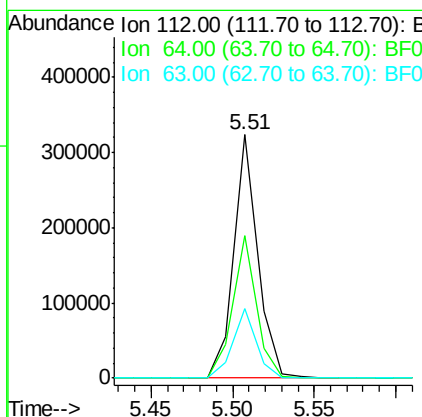
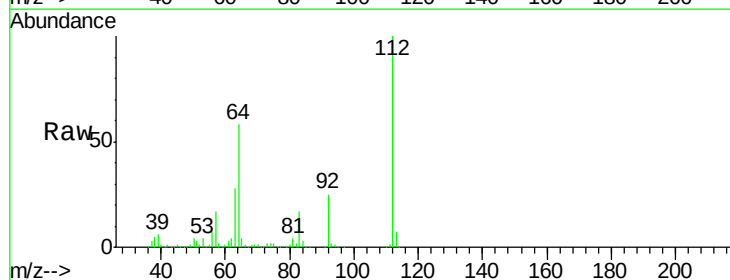
Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

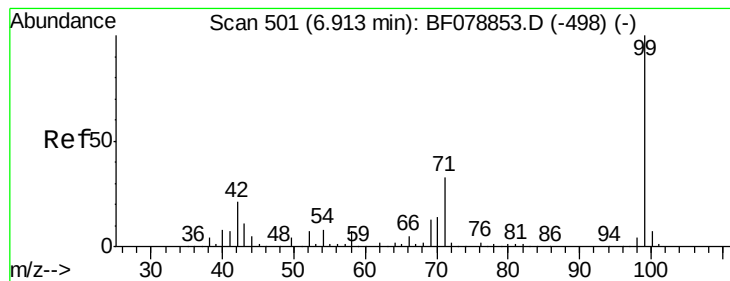
Tgt Ion:152 Resp: 48541
 Ion Ratio Lower Upper
 152 100
 150 158.0 122.0 183.0
 115 52.2 46.3 69.5



#5
 2-Fluorophenol
 Concen: 115.96 ng
 RT: 5.51 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion:112 Resp: 327005
 Ion Ratio Lower Upper
 112 100
 64 58.4 53.5 80.3
 63 28.4 27.5 41.3





#7

Phenol-d6

Concen: 126.21 ng

RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

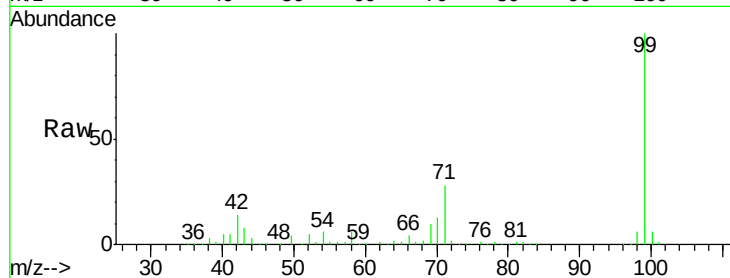
Tgt Ion: 99 Resp: 470422

Ion Ratio Lower Upper

99 100

42 14.3 12.8 19.2

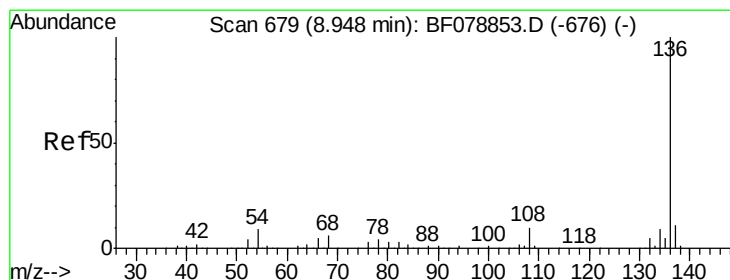
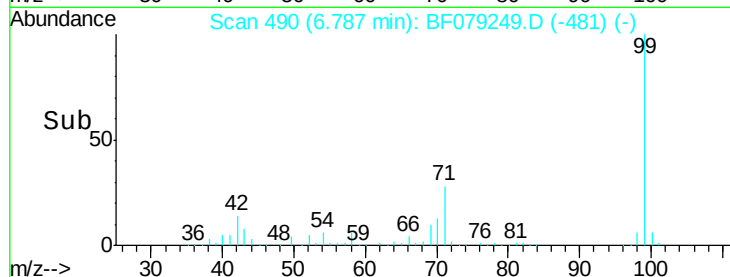
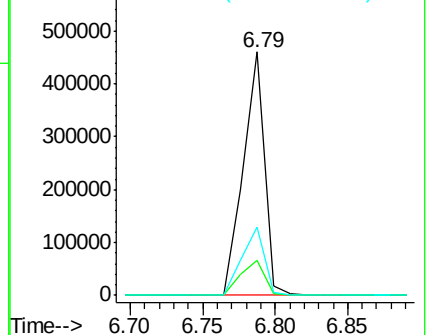
71 28.0 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.79 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Tgt Ion: 136 Resp: 207592

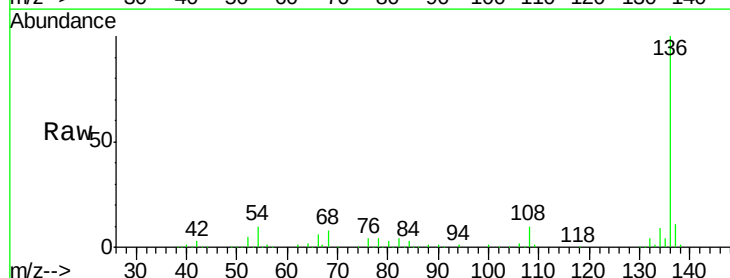
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.3 5.8 8.8#

68 8.1 4.2 6.4#

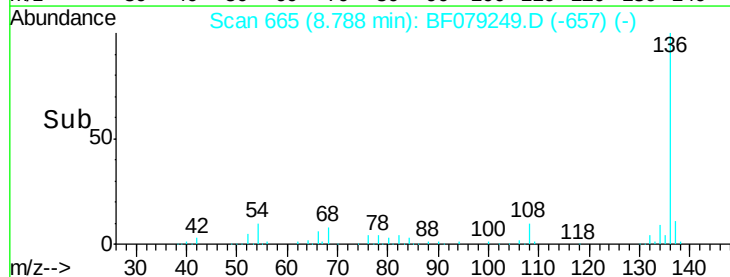
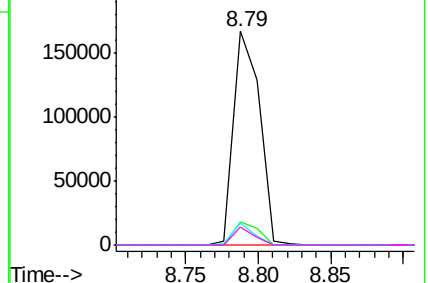


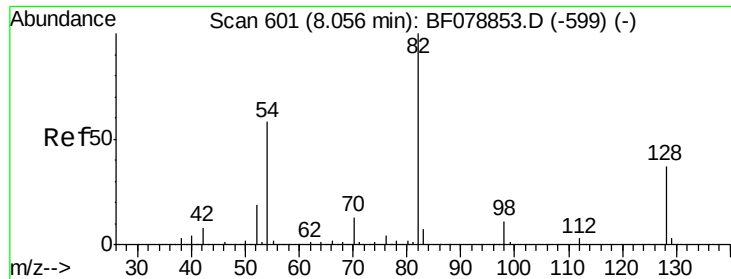
Abundance Ion 136.00 (135.70 to 136.70): E

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

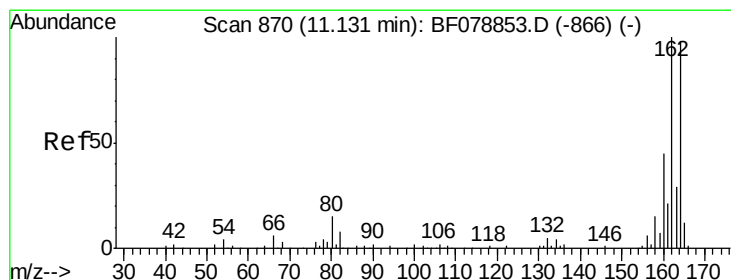
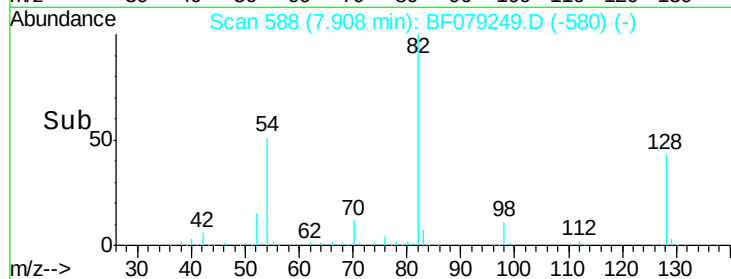
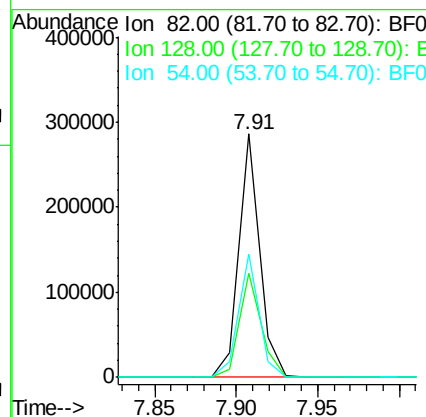
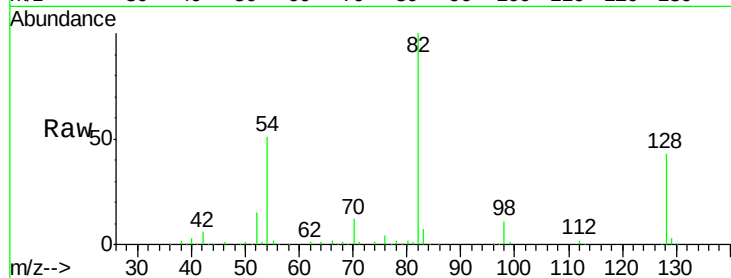




#23
 Nitrobenzene-d5
 Concen: 69.51 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

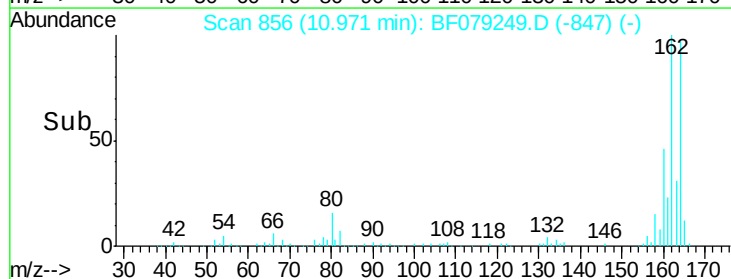
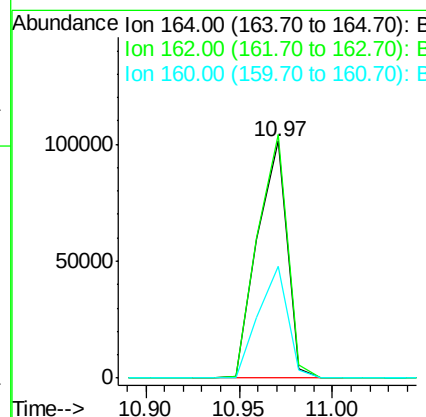
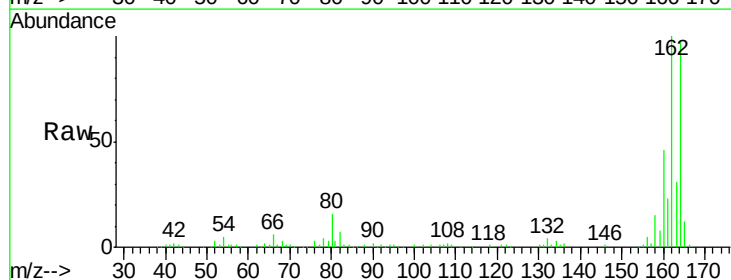
Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

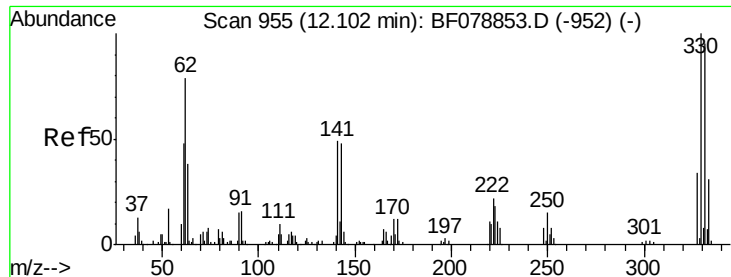
Tgt Ion: 82 Resp: 251064
 Ion Ratio Lower Upper
 82 100
 128 42.8 30.0 45.0
 54 50.7 46.4 69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion: 164 Resp: 113543
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.7 124.1
 160 47.0 35.8 53.8





#41

2,4,6-Tribromophenol

Concen: 124.62 ng

RT: 11.95 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

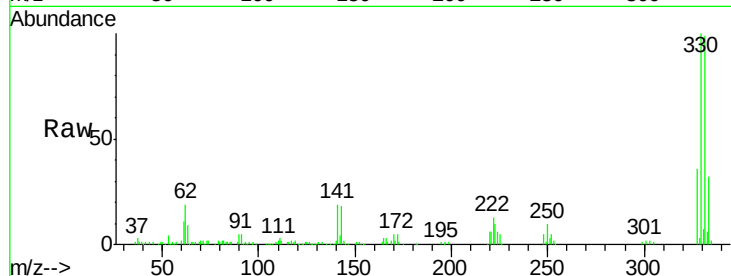
Tgt Ion:330 Resp: 153075

Ion Ratio Lower Upper

330 100

332 98.2 0.0 0.0#

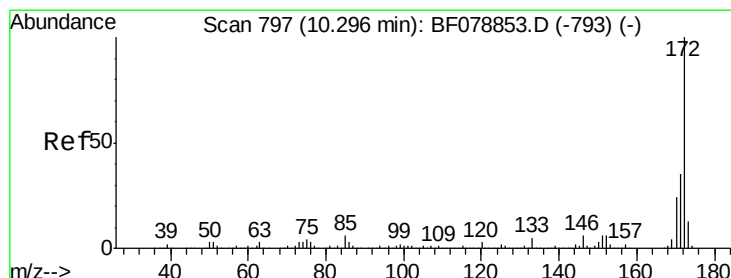
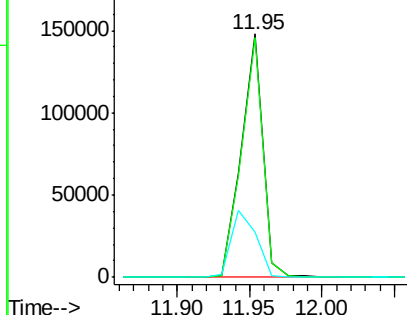
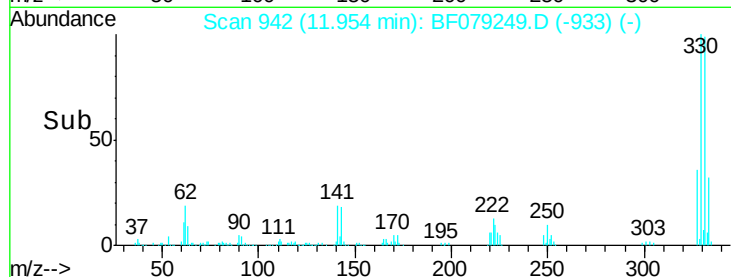
141 32.2 0.0 0.0#



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: 62.66 ng

RT: 10.14 min Scan# 783

Delta R.T. -0.01 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

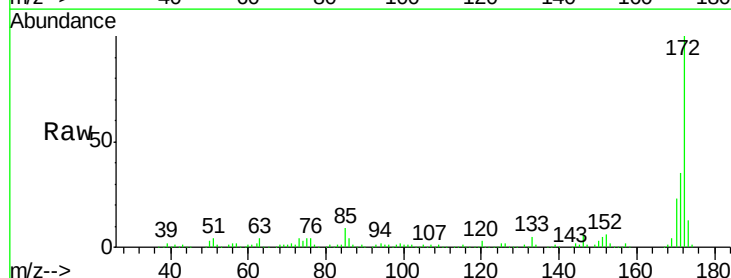
Tgt Ion:172 Resp: 510682

Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

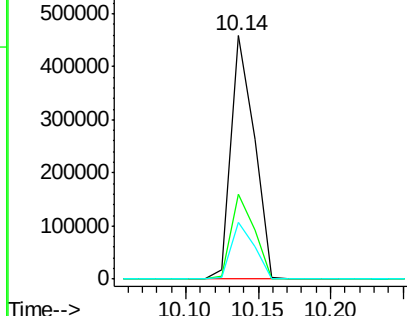
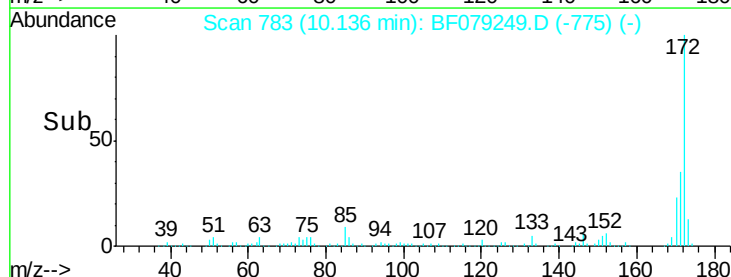
170 23.2 19.4 29.0

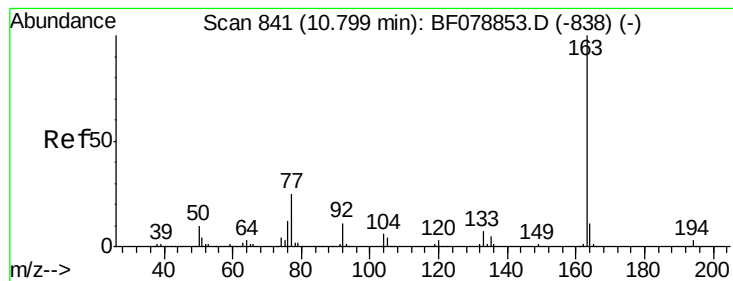


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.46 ng

RT: 10.65 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

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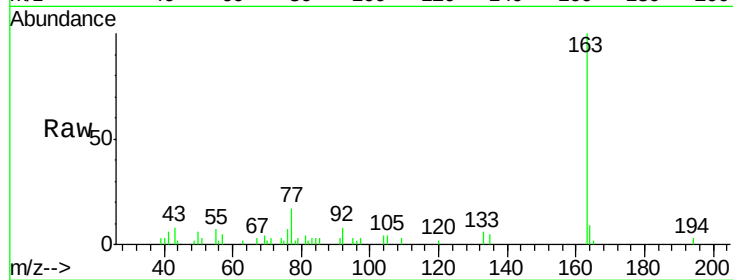
Tgt Ion:163 Resp: 20520

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

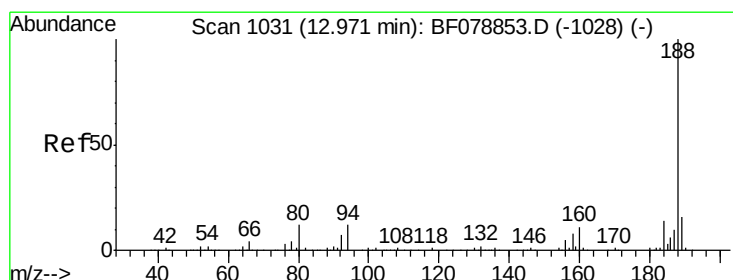
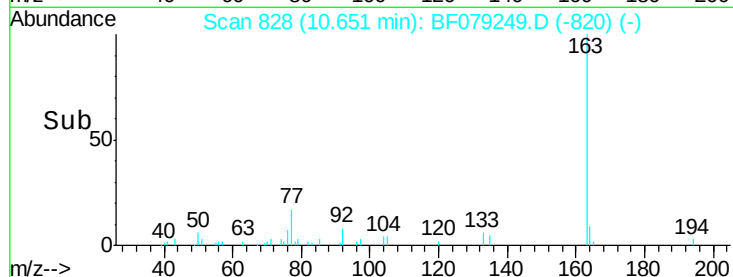
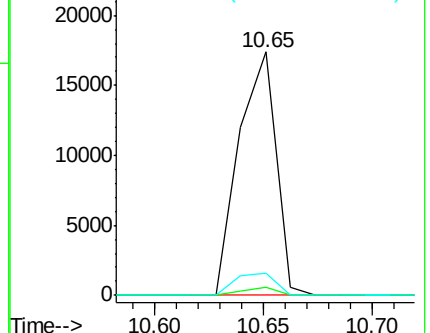
164 8.9 8.1 12.1



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: BF079249.D

Acq: 14 May 2015 23:44

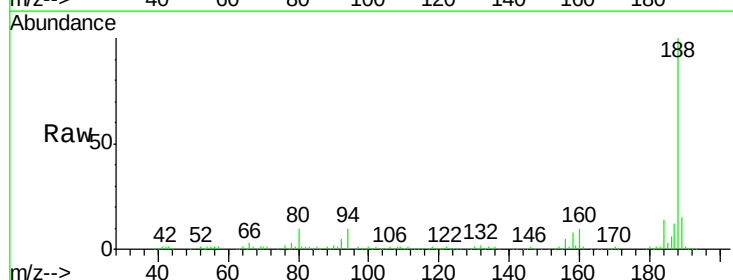
Tgt Ion:188 Resp: 223725

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.2

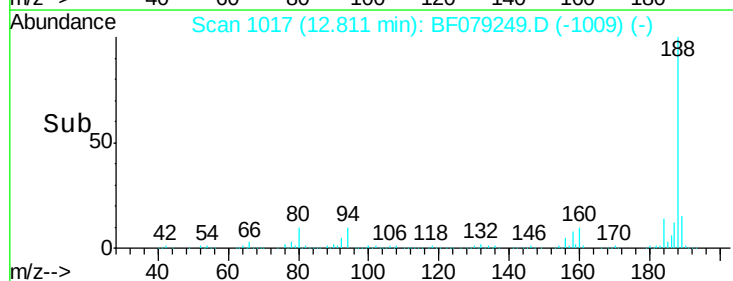
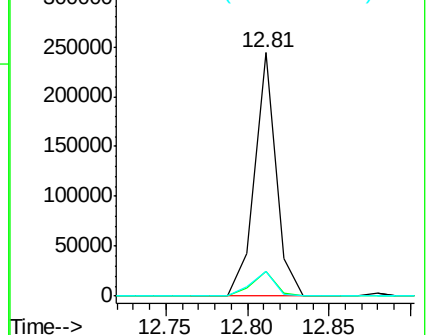
80 10.3 8.9 13.3

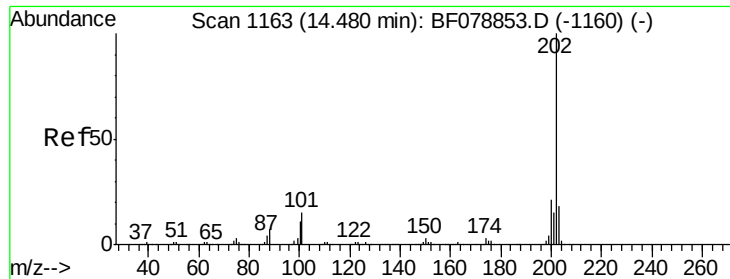


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 7.89 ng

RT: 14.32 min Scan# 1149

Delta R.T. -0.06 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

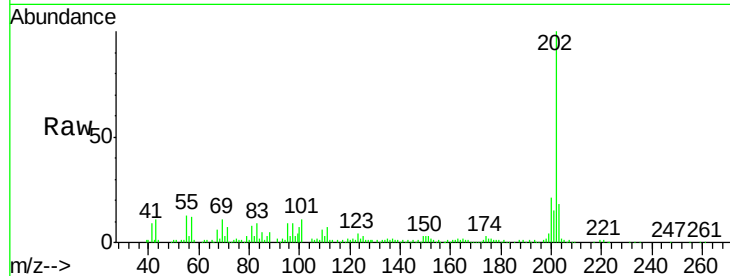
Instrument :

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ClientSampleId :

PS-30A(3-5)

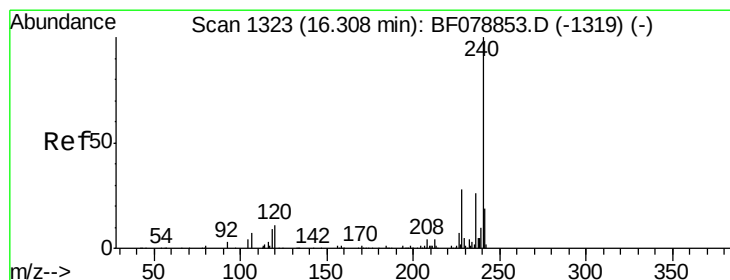
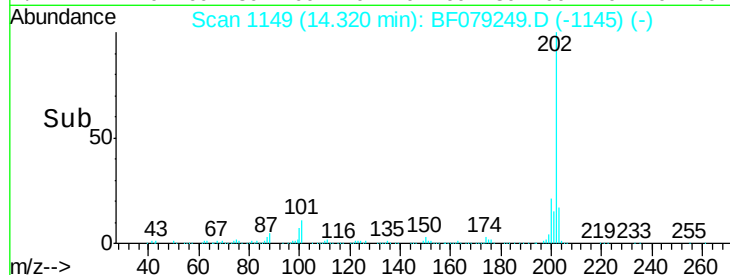
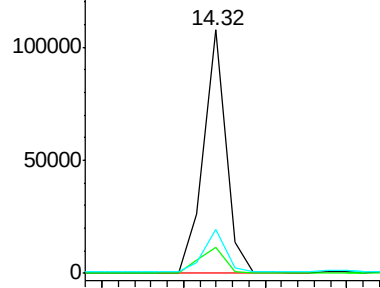
Tgt Ion:	202	Resp:	102843
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.6
203	17.9	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

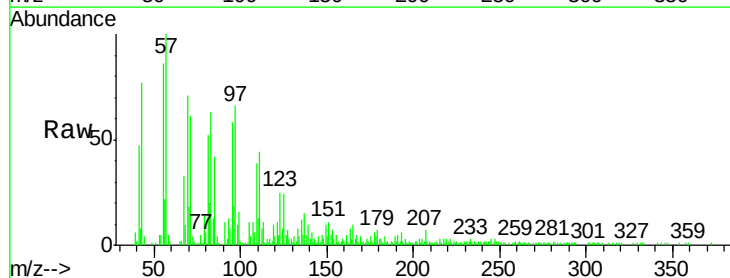
RT: 16.45 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

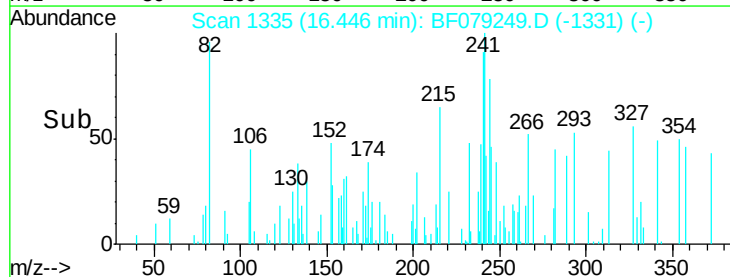
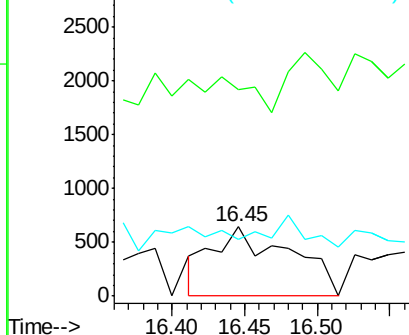
Tgt Ion:	240	Resp:	2394
Ion	Ratio	Lower	Upper
240	100		
120	299.4	9.7	14.5#
236	81.8	20.2	30.4#

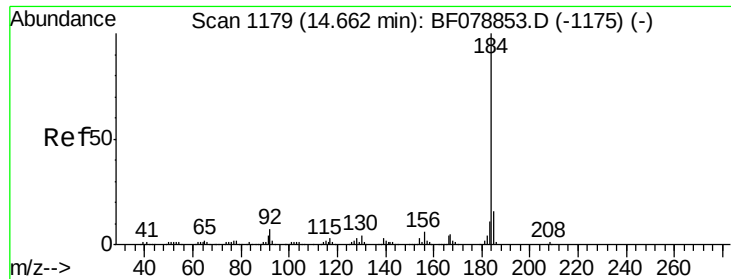


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.19 ng

RT: 14.51 min Scan# 1166

Delta R.T. -0.07 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

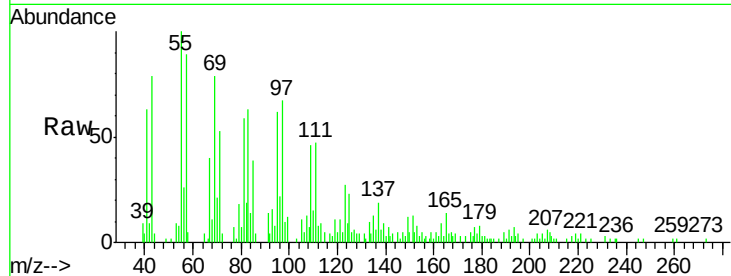
Tgt Ion:184 Resp: 206

Ion Ratio Lower Upper

184 100

185 107.6 12.3 18.5#

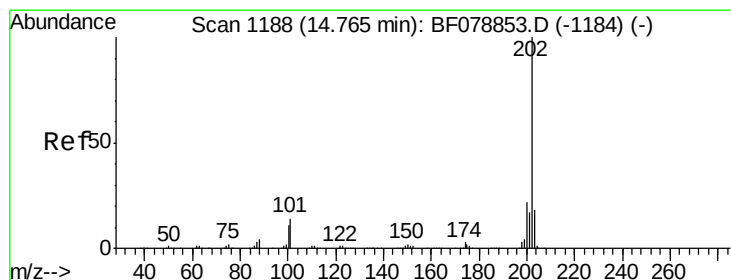
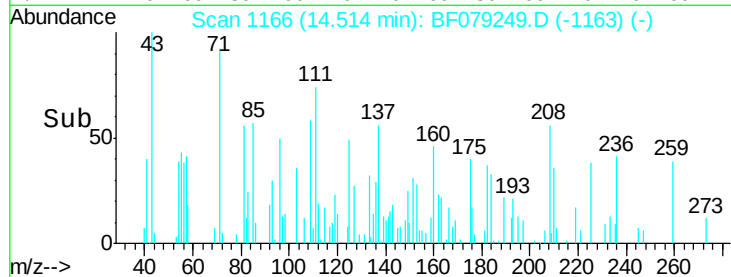
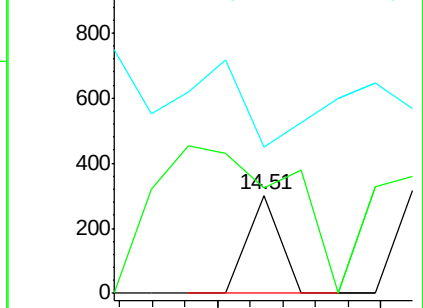
183 148.8 8.4 12.6#



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: 711.04 ng

RT: 14.59 min Scan# 1173

Delta R.T. -0.09 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

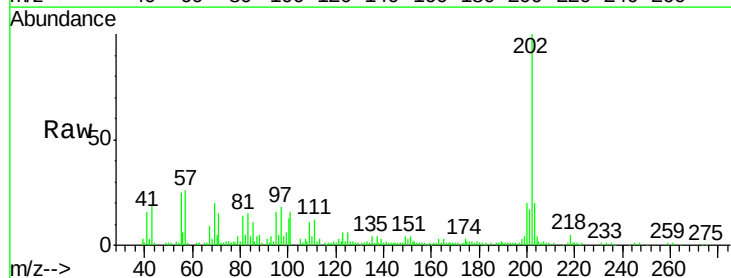
Tgt Ion:202 Resp: 98091

Ion Ratio Lower Upper

202 100

200 20.3 17.5 26.3

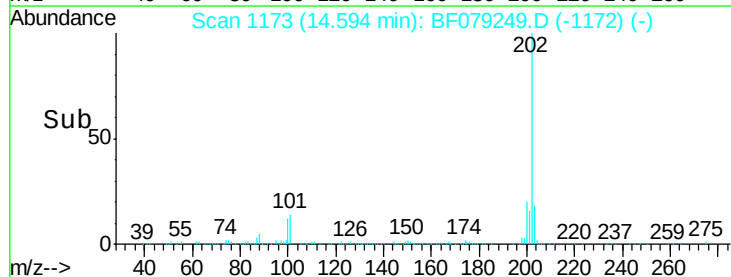
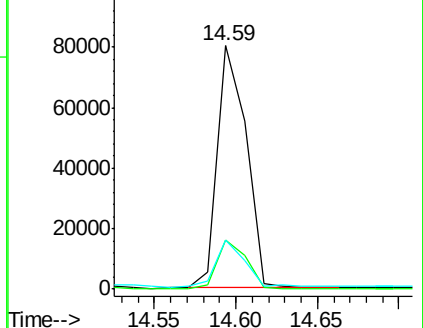
203 20.0 13.9 20.9

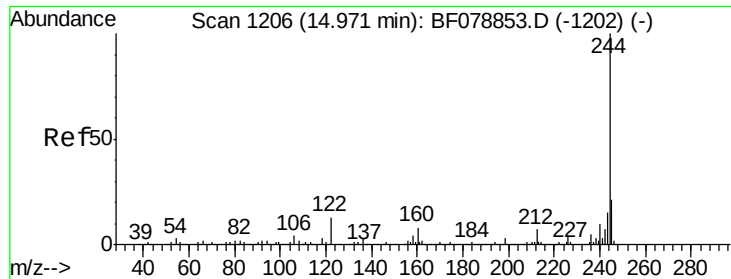


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5067.17 ng

RT: 14.81 min Scan# 1192

Delta R.T. -0.11 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

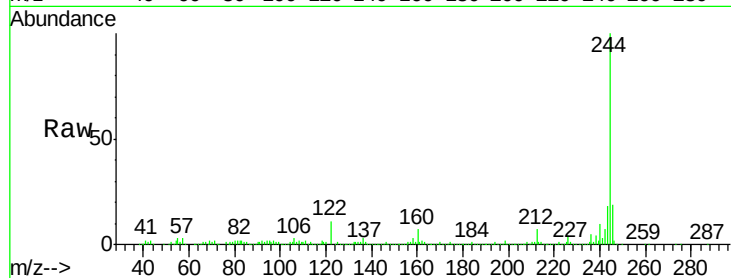
Tgt Ion:244 Resp: 506686

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

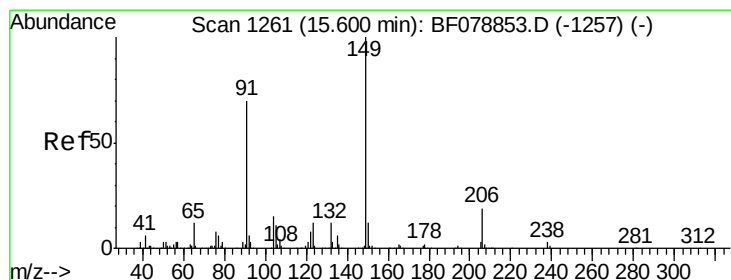
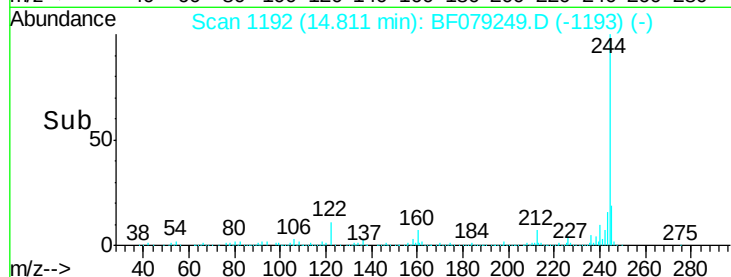
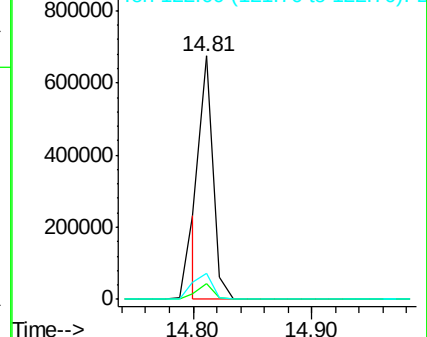
122 10.9 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 10.03 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.06 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

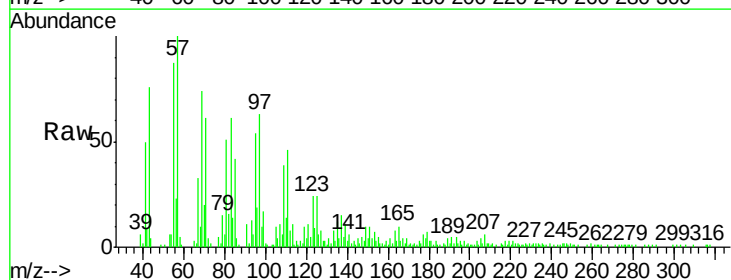
Tgt Ion:149 Resp: 605

Ion Ratio Lower Upper

149 100

91 109.9 64.6 97.0#

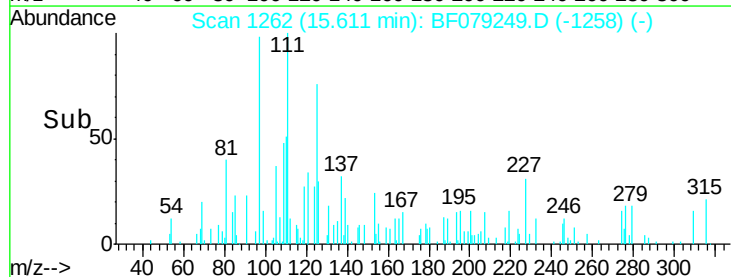
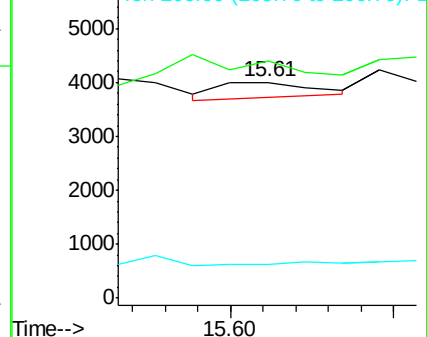
206 15.8 12.2 18.4

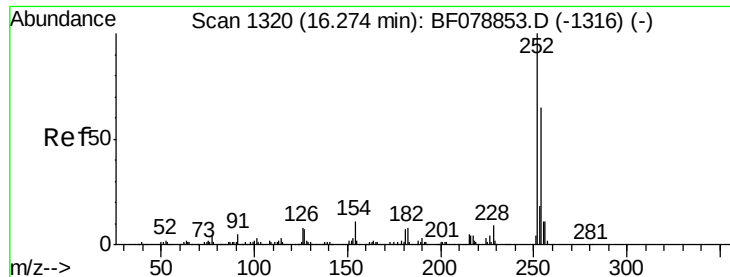


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

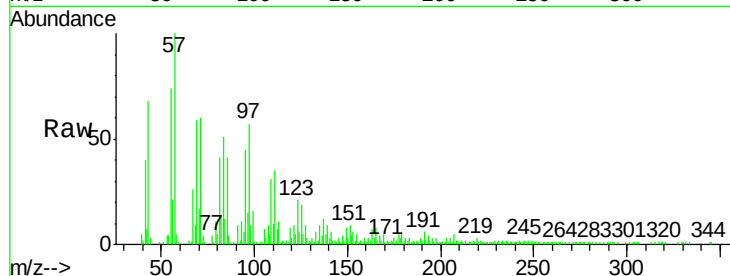




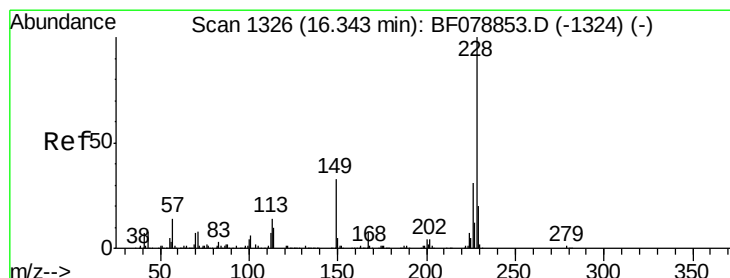
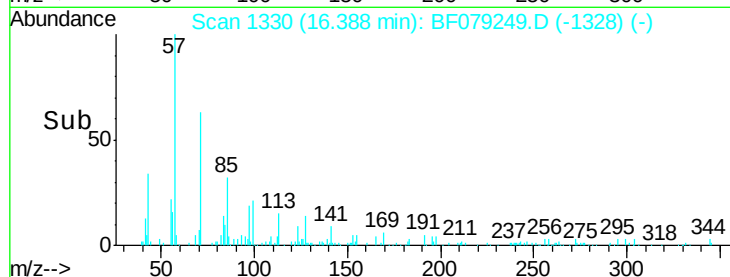
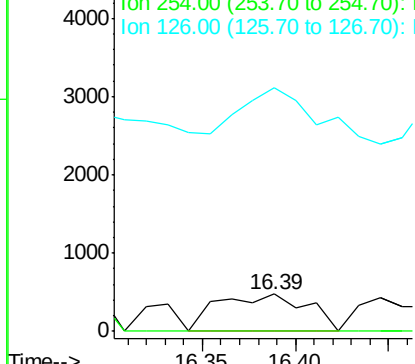
#81
 3,3'-Dichlorobenzidine
 Concen: 33.92 ng
 RT: 16.39 min Scan# 1330
 Delta R.T. -0.08 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

Tgt Ion:252 Resp: 1584
 Ion Ratio Lower Upper
 252 100
 254 0.0 51.3 76.9#
 126 650.8 6.6 10.0#

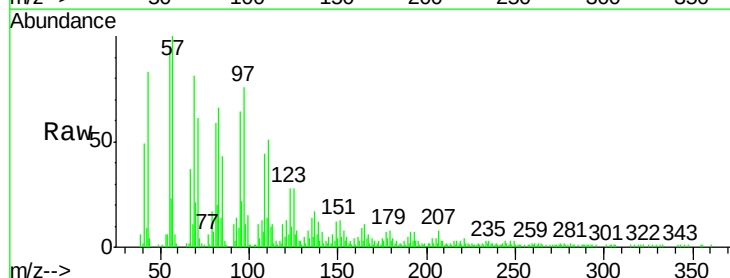


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

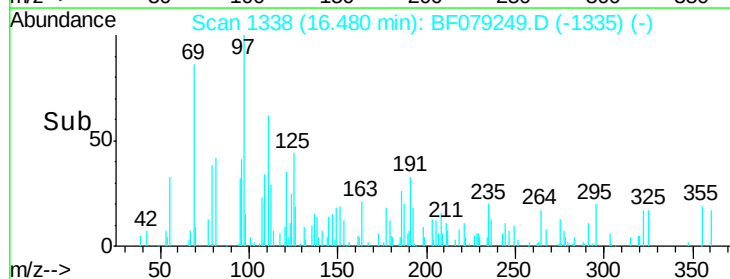
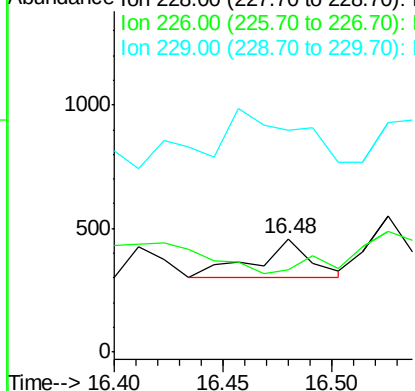


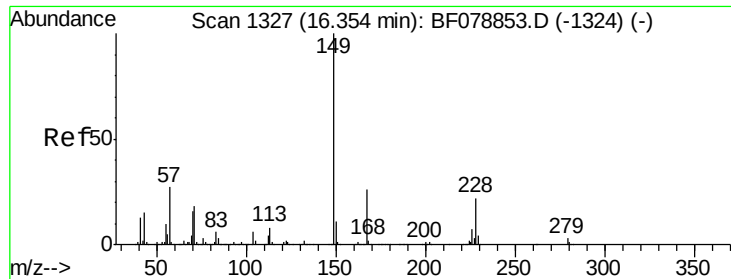
#82
 Chrysene
 Concen: 2.16 ng
 RT: 16.48 min Scan# 1338
 Delta R.T. -0.07 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion:228 Resp: 272
 Ion Ratio Lower Upper
 228 100
 226 72.8 24.9 37.3#
 229 194.8 16.0 24.0#



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

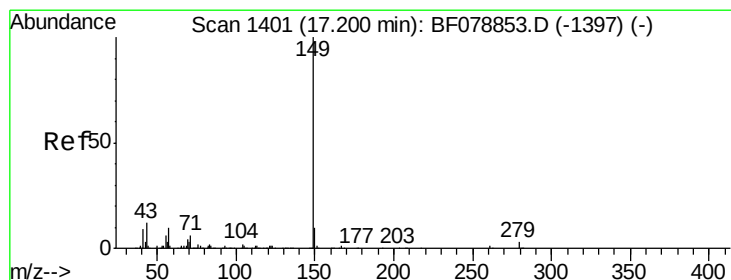
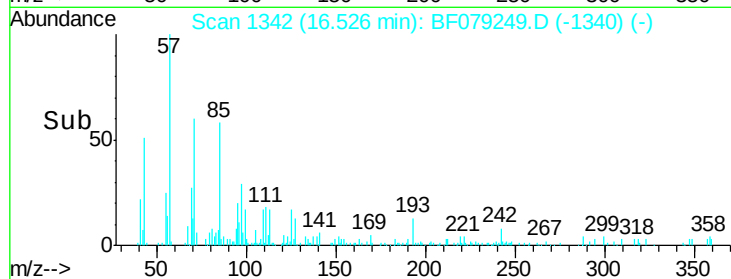
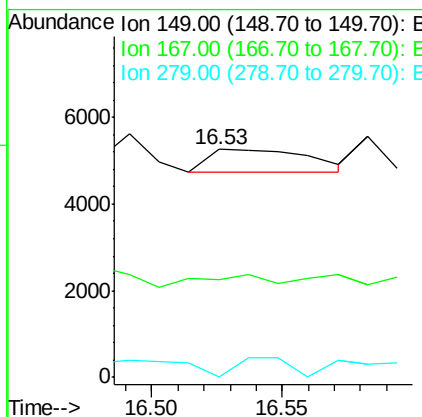
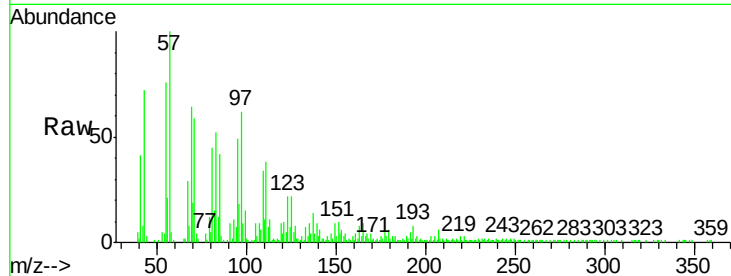




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.77 ng
 RT: 16.53 min Scan# 1342
 Delta R.T. -0.08 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

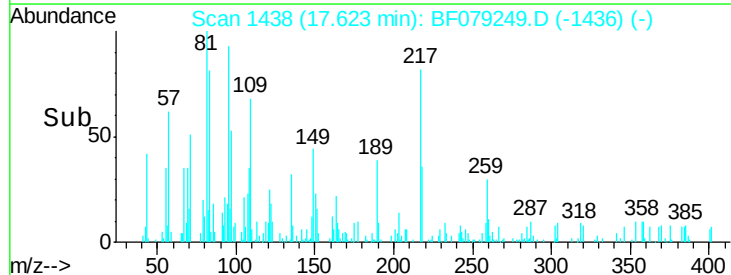
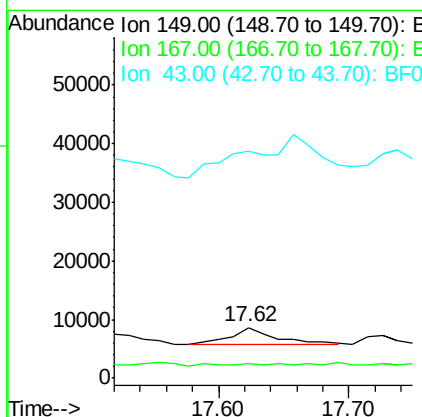
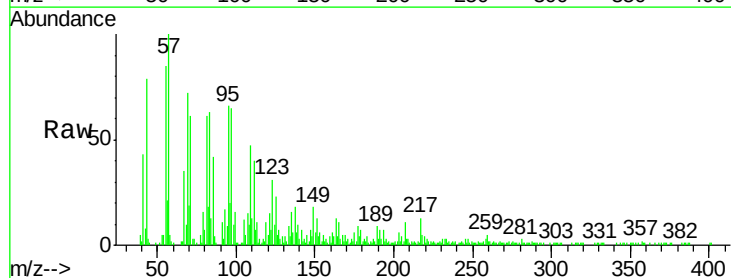
Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

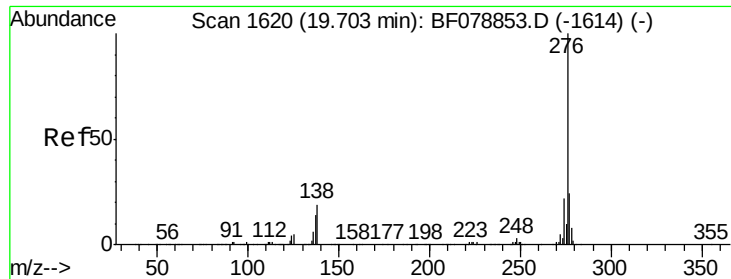
Tgt Ion:149 Resp: 1440
 Ion Ratio Lower Upper
 149 100
 167 42.9 21.8 32.8#
 279 0.0 2.9 4.3#



#84
 Di-n-octyl phthalate
 Concen: 43.75 ng
 RT: 17.62 min Scan# 1438
 Delta R.T. -0.08 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion:149 Resp: 7038
 Ion Ratio Lower Upper
 149 100
 167 3.2 0.0 0.0#
 43 0.0 0.0 0.0

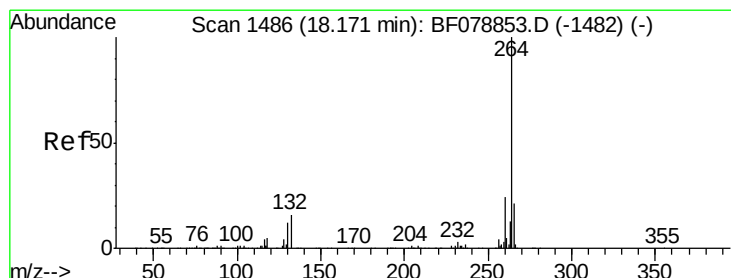
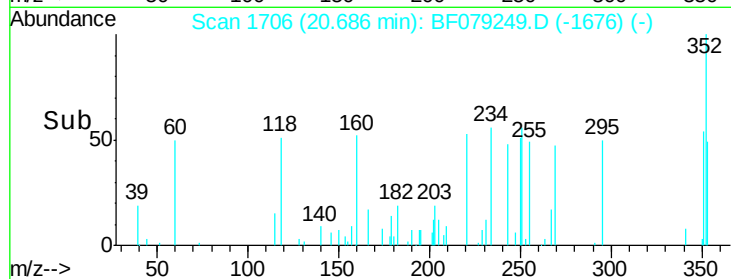
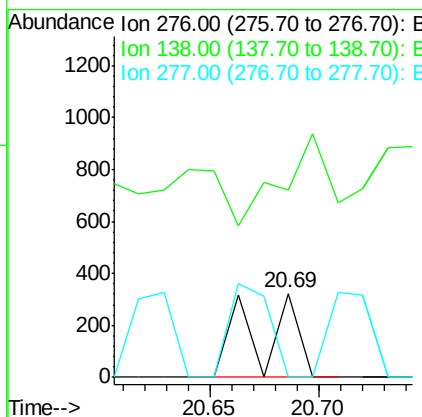
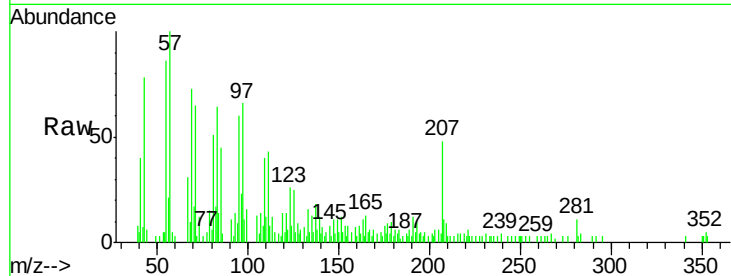




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.73 ng
 RT: 20.69 min Scan# 1706
 Delta R.T. 0.05 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

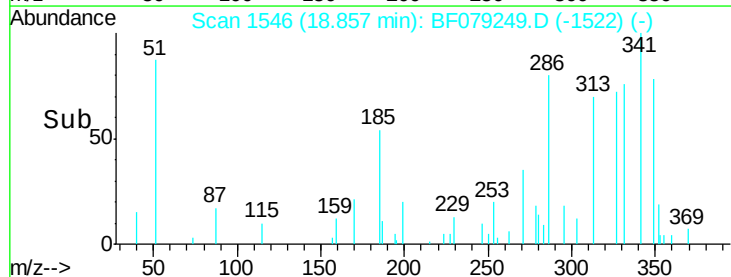
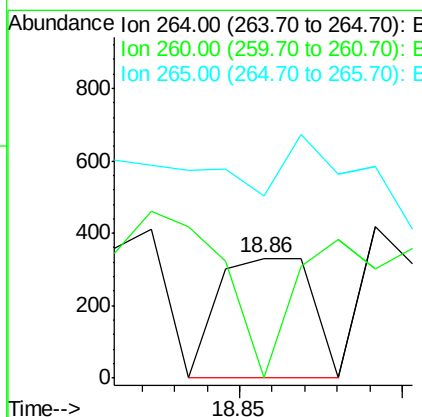
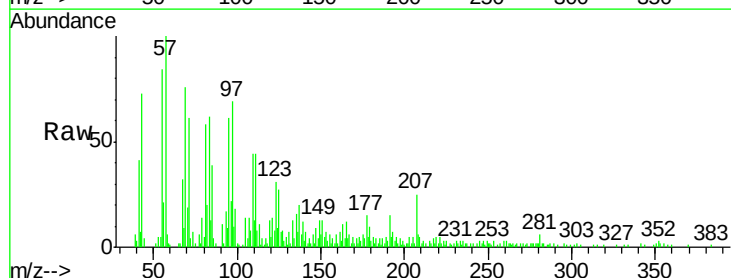
Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

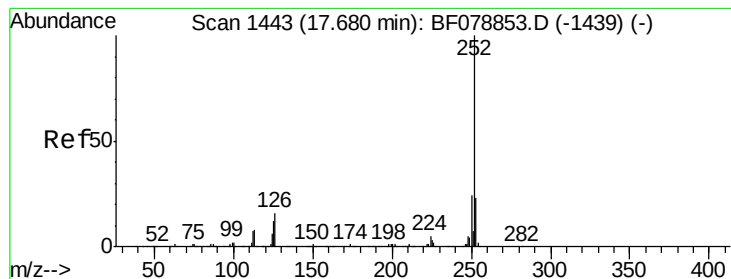
Tgt Ion: 276 Resp: 439
 Ion Ratio Lower Upper
 276 100
 138 118.5 0.0 0.0#
 277 0.0 0.0 0.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.86 min Scan# 1546
 Delta R.T. -0.02 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion: 264 Resp: 658
 Ion Ratio Lower Upper
 264 100
 260 0.0 19.4 29.2#
 265 152.1 18.3 27.5#





#87

Benzo(b)fluoranthene

Concen: 9.77 ng

RT: 18.25 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

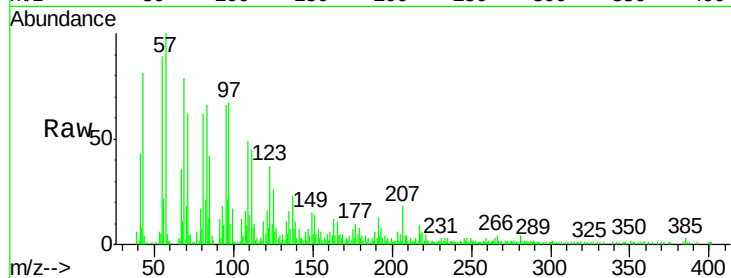
Tgt Ion:252 Resp: 352

Ion Ratio Lower Upper

252 100

253 147.3 17.7 26.5#

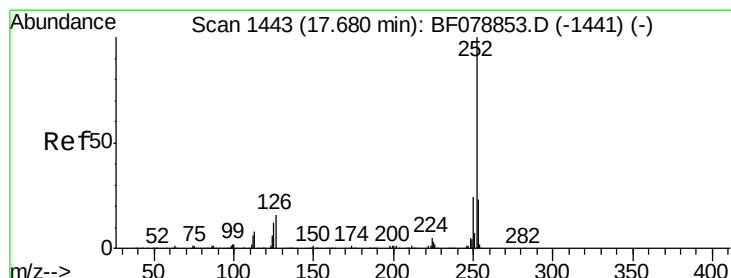
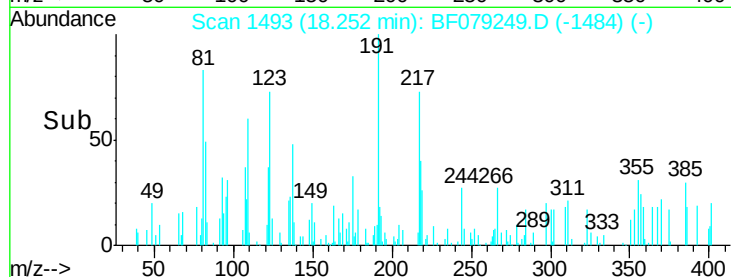
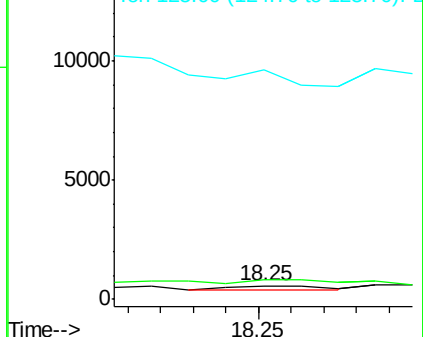
125 1724.1 9.5 14.3#



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



#88

Benzo(k)fluoranthene

Concen: 7.57 ng

RT: 18.30 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

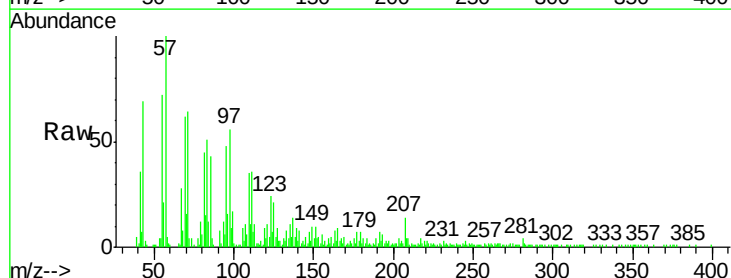
Tgt Ion:252 Resp: 264

Ion Ratio Lower Upper

252 100

253 103.0 18.1 27.1#

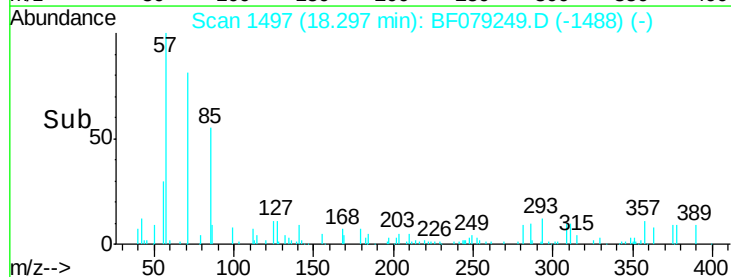
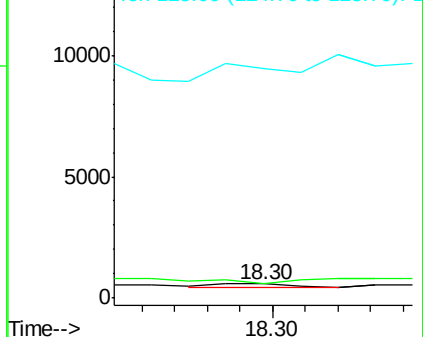
125 1597.3 10.0 15.0#

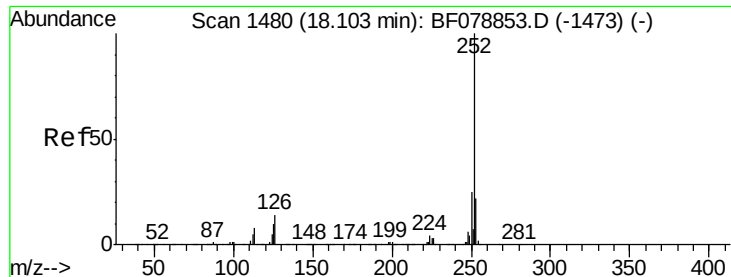


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.38 ng

RT: 18.75 min Scan# 1537

Delta R.T. -0.03 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

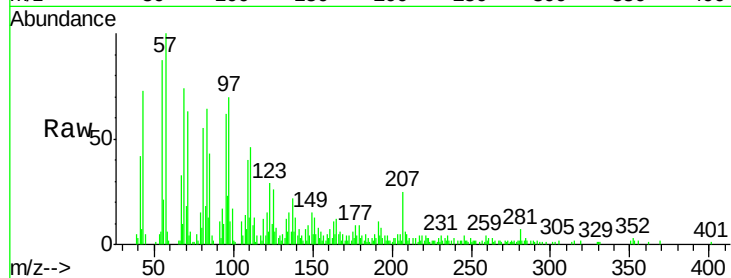
Tgt Ion:252 Resp: 112

Ion Ratio Lower Upper

252 100

253 125.4 17.3 25.9#

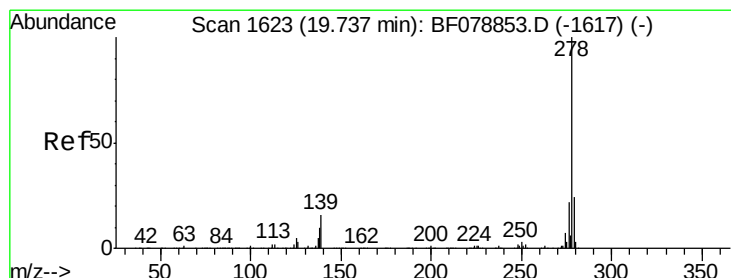
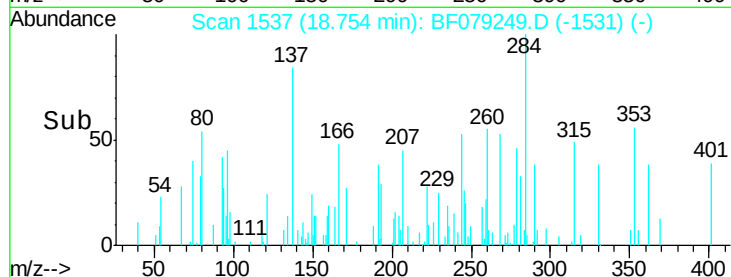
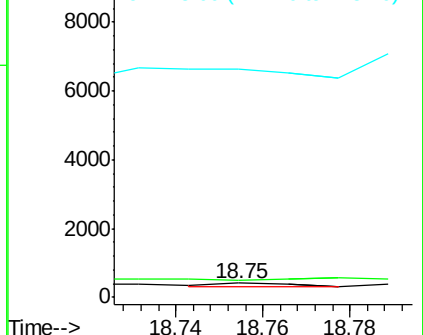
125 1637.2 7.0 10.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 6.64 ng

RT: 20.62 min Scan# 1700

Delta R.T. -0.07 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

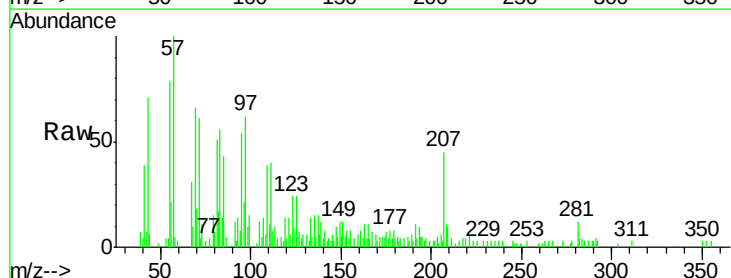
Tgt Ion:278 Resp: 234

Ion Ratio Lower Upper

278 100

139 444.3 12.8 19.2#

279 0.0 19.6 29.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

