

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087080.D
 Acq On : 16 May 2016 14:39
 Operator : UM/SJ
 Sample : H2968-07 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPB

Quant Time: May 17 00:52:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

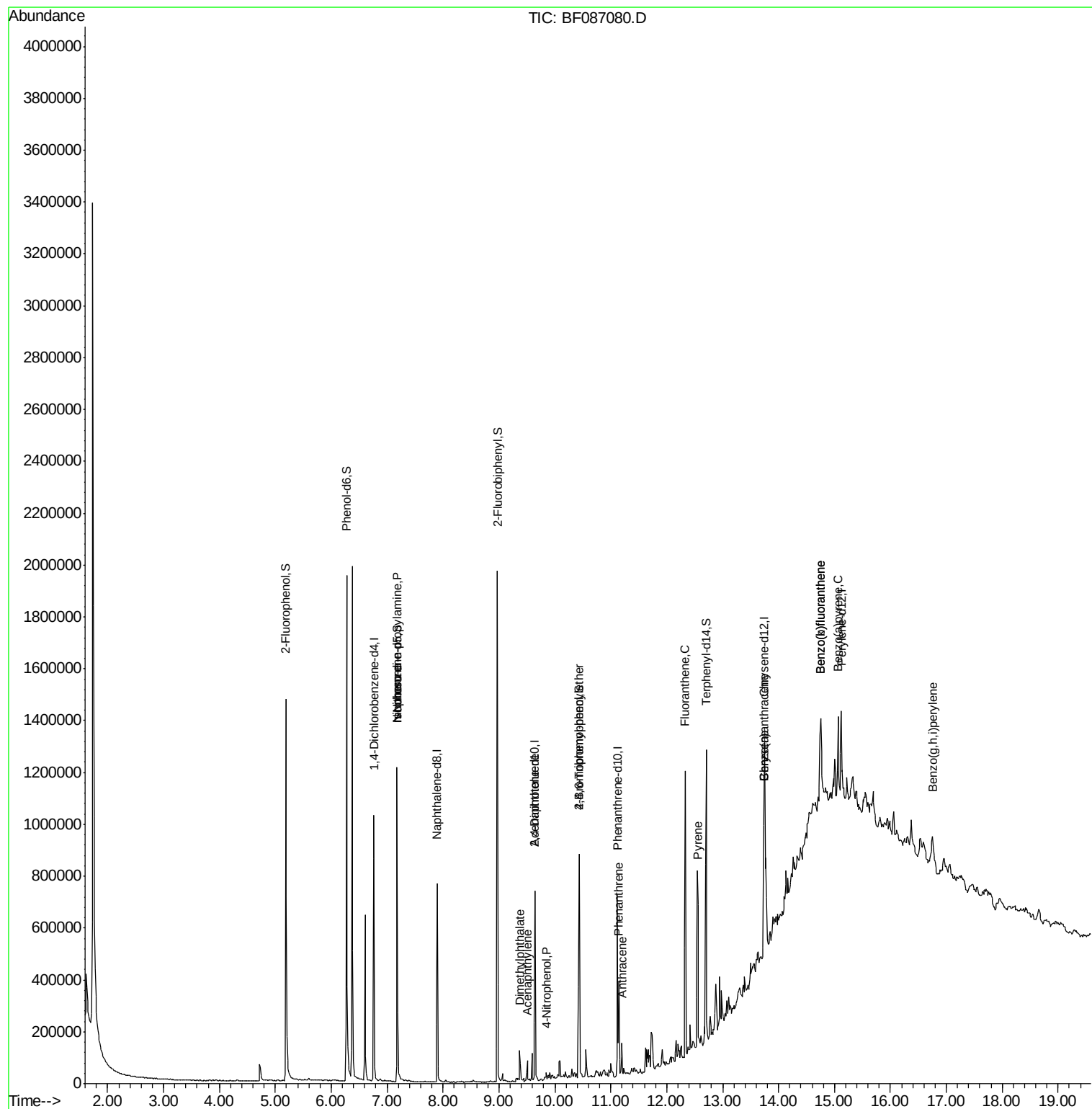
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	204227	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	345281	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	136571	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	231054	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	184718	20.00	ng	-0.09
86) Perylene-d12	15.12	264	140806	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	443719	36.79	ng	-0.10
7) Phenol-d6	6.27	99	595094	36.92	ng	-0.09
23) Nitrobenzene-d5	7.18	82	362643	52.74	ng	-0.09
41) 2,4,6-Tribromophenol	10.43	330	102288	70.75	ng	-0.09
44) 2-Fluorobiphenyl	8.97	172	552664	68.01	ng	-0.09
78) Terphenyl-d14	12.71	244	407583	46.82	ng	-0.09
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	50846	4.51	ng	# 69
25) Isophorone	7.18	82	343797	26.95	ng	# 68
48) Acenaphthylene	9.51	152	37550	3.00	ng	98
49) Dimethylphthalate	9.37	163	45014	4.32	ng	99
55) 4-Nitrophenol	9.85	139	2354	6.00	ng	# 34
56) 2,4-Dinitrotoluene	9.64	165	17904	6.60	ng	# 17
66) 4-Bromophenyl-phenylether	10.43	248	6615	2.82	ng	# 1
70) Phenanthrene	11.14	178	123212	9.99	ng	100
71) Anthracene	11.20	178	65927	5.23	ng	98
74) Fluoranthene	12.33	202	464458	36.62	ng	93
77) Pyrene	12.56	202	377412	26.69	ng	99
80) Benzo(a)anthracene	13.74	228	233630	22.53	ng	93
82) Chrysene	13.74	228	233630	22.15	ng	95
87) Benzo(b)fluoranthene	14.75	252	237783	25.98	ng	96
88) Benzo(k)fluoranthene	14.75	252	237783	31.73	ng	# 93
89) Benzo(a)pyrene	15.06	252	114267	14.48	ng	# 91
91) Benzo(g,h,i)perylene	16.75	276	54118	8.01	ng	# 91

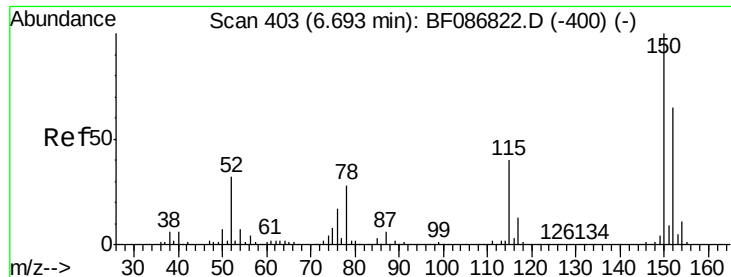
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

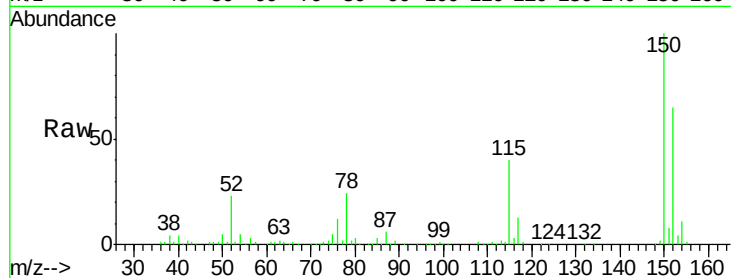
Tgt Ion:152 Resp: 204227

Ion Ratio Lower Upper

152 100

150 154.5 125.8 188.6

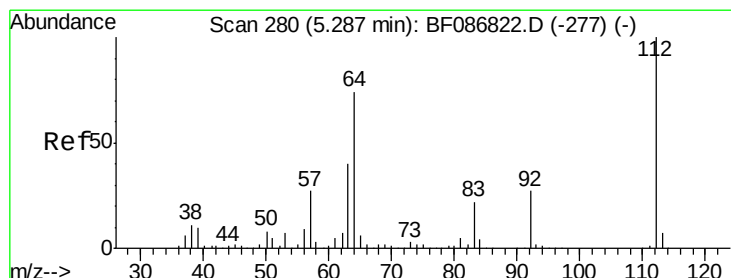
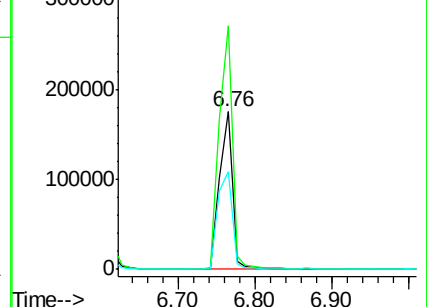
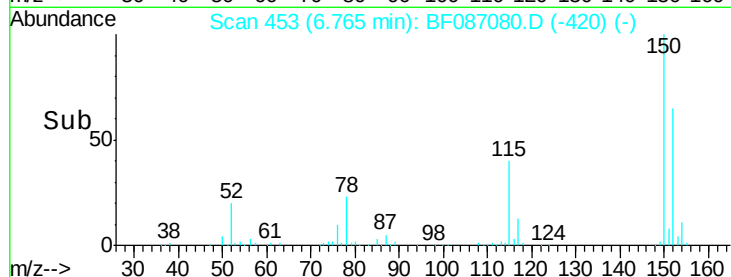
115 61.8 51.5 77.3



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: 36.79 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.10 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

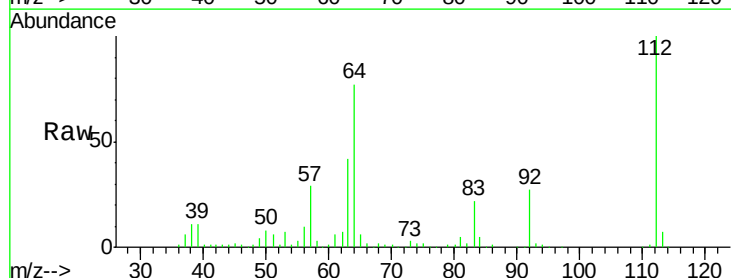
Tgt Ion:112 Resp: 443719

Ion Ratio Lower Upper

112 100

64 77.3 52.1 78.1

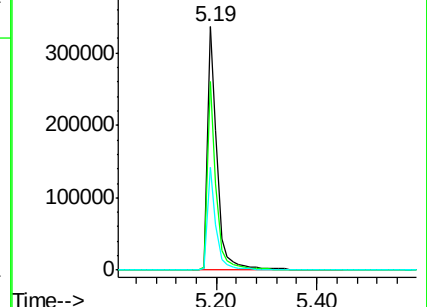
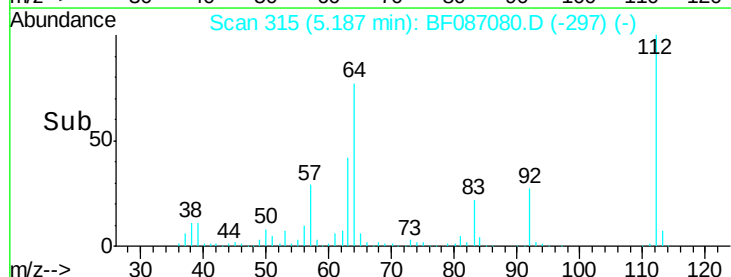
63 42.4 25.7 38.5

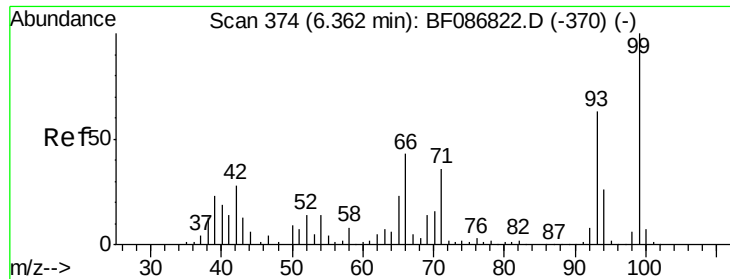


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.92 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

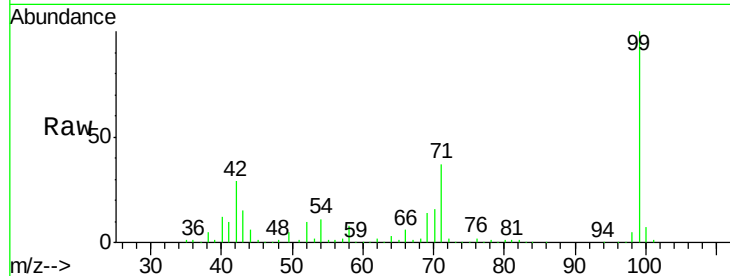
Tgt Ion: 99 Resp: 595094

Ion Ratio Lower Upper

99 100

42 29.0 13.6 20.4#

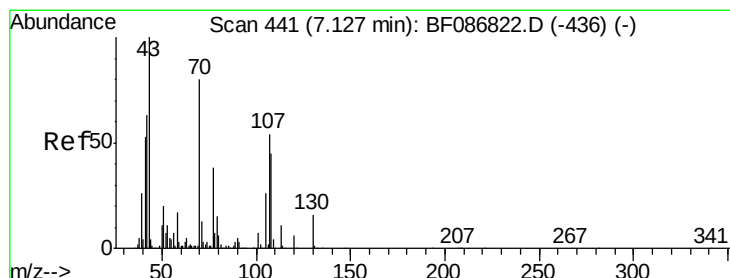
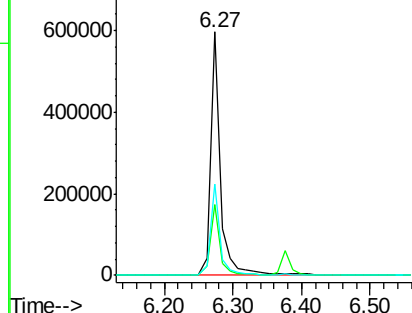
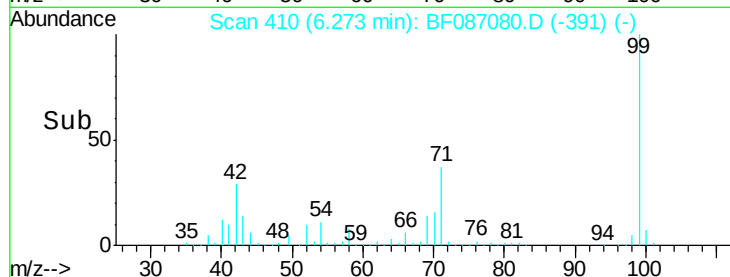
71 37.5 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.51 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Tgt Ion: 70 Resp: 50846

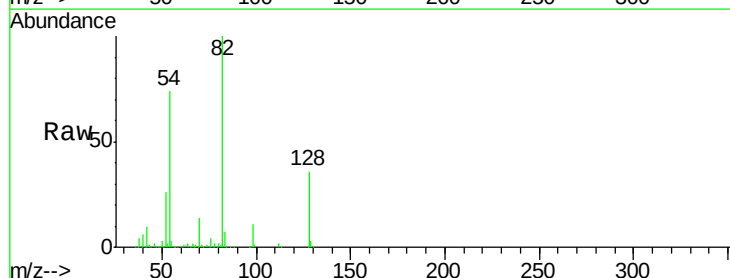
Ion Ratio Lower Upper

70 100

42 72.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

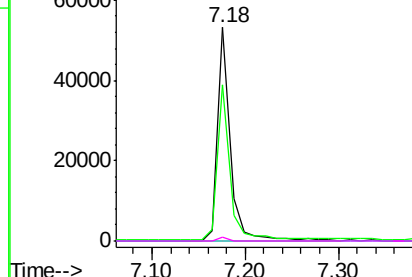
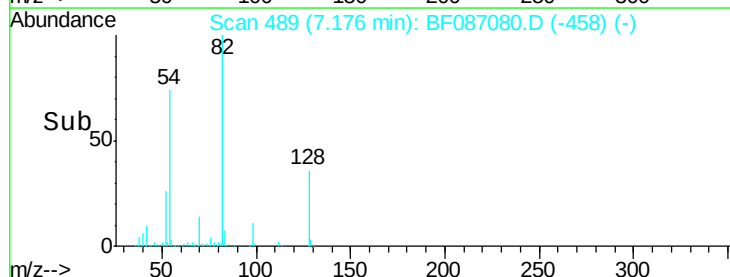


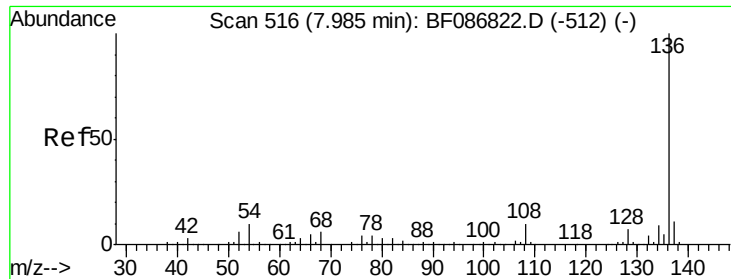
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

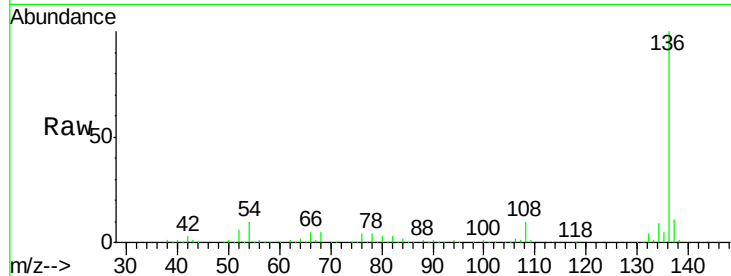




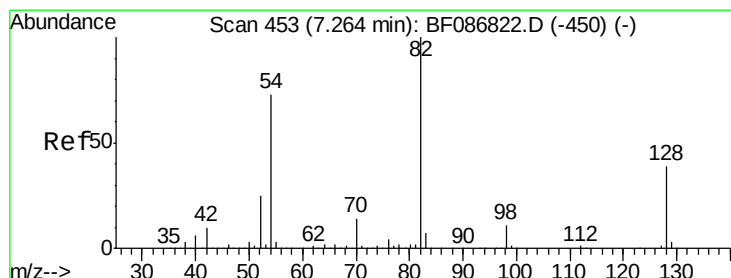
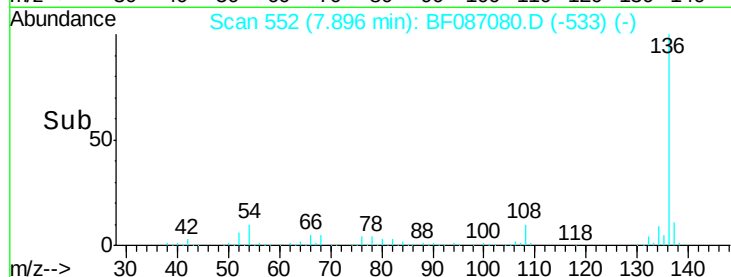
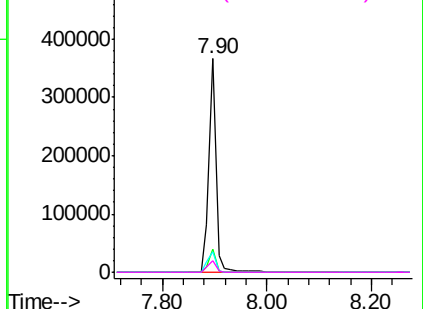
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:	136	Resp:	345281
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.7	5.0	7.4#
68	5.5	4.4	6.6

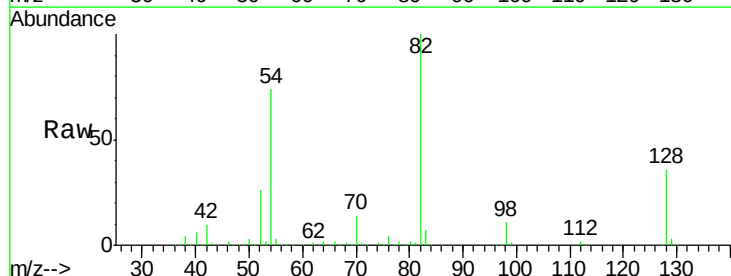


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

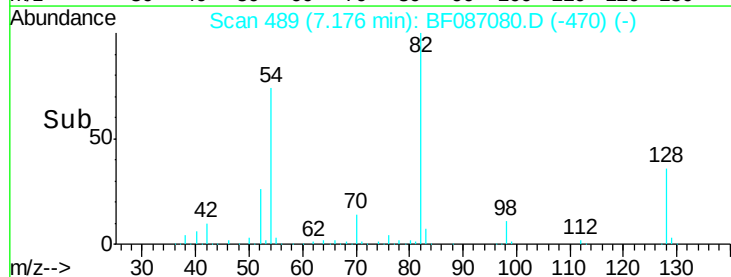
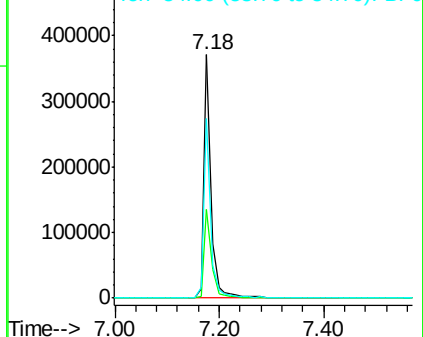


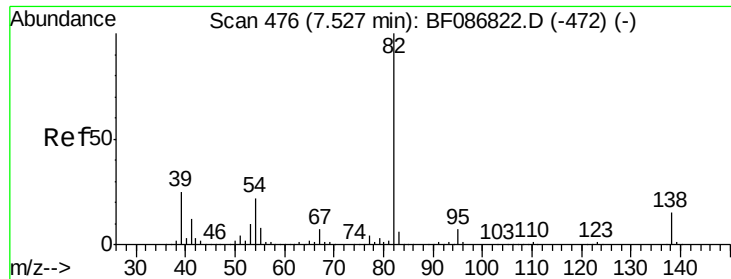
#23
Nitrobenzene-d5
Concen: 52.74 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.09 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:	82	Resp:	362643
Ion	Ratio	Lower	Upper
82	100		
128	36.4	40.6	61.0#
54	73.8	38.1	57.1#



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





#25

Isophorone

Concen: 26.95 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.35 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

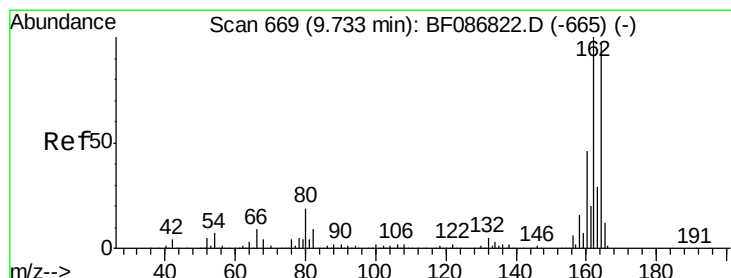
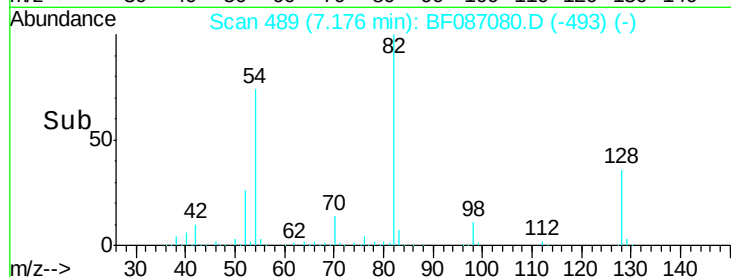
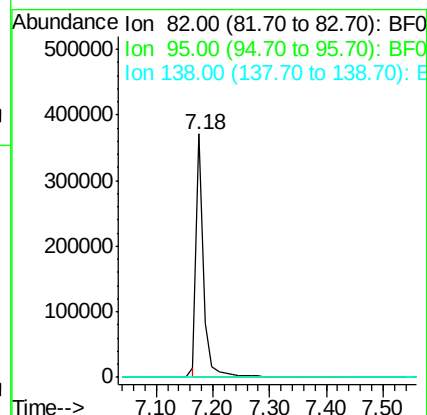
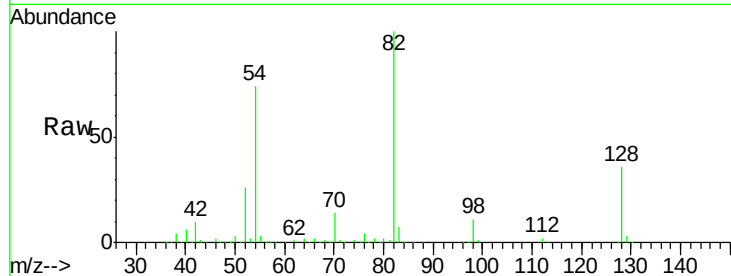
Tgt Ion: 82 Resp: 343797

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

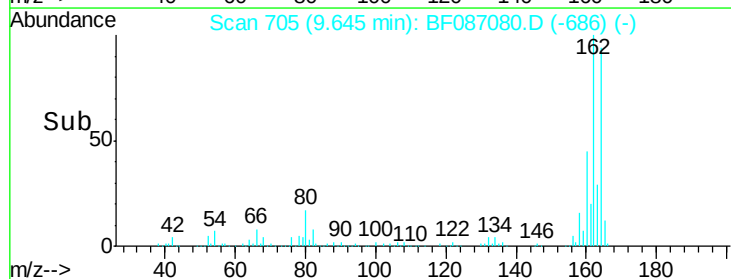
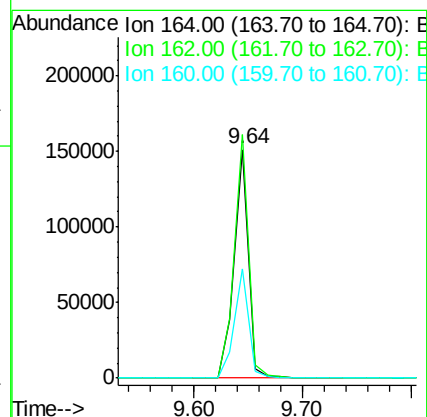
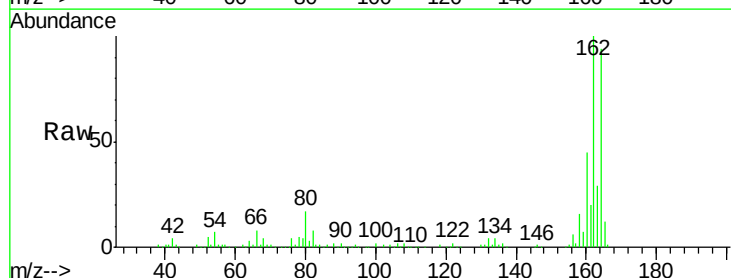
Tgt Ion: 164 Resp: 136571

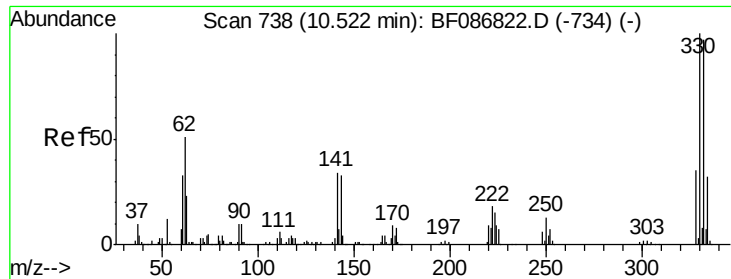
Ion Ratio Lower Upper

164 100

162 106.6 82.8 124.2

160 47.8 36.9 55.3

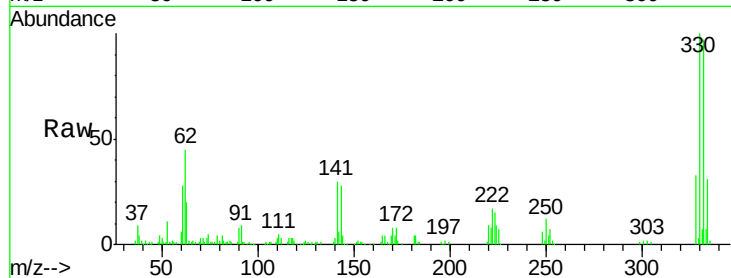




#41
 2,4,6-Tribromophenol
 Concen: 70.75 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087080.D
 Acq: 16 May 2016 14:39

Instrument :
 BNA_F
 ClientSampleId :
 DUPB

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	38.4	31.2	46.8

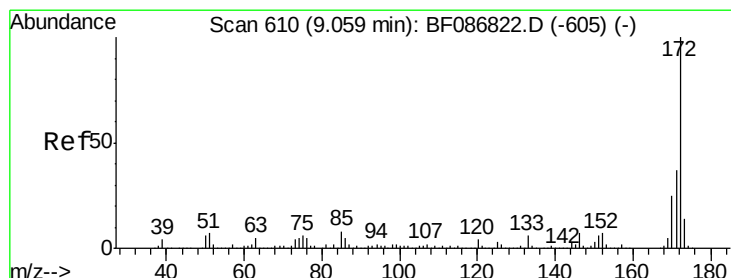
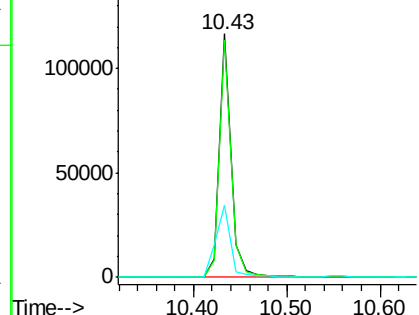
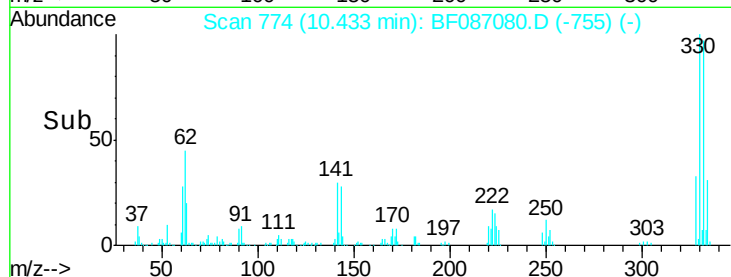


Abundance

Ion 329.80 (329.50 to 330.50): E

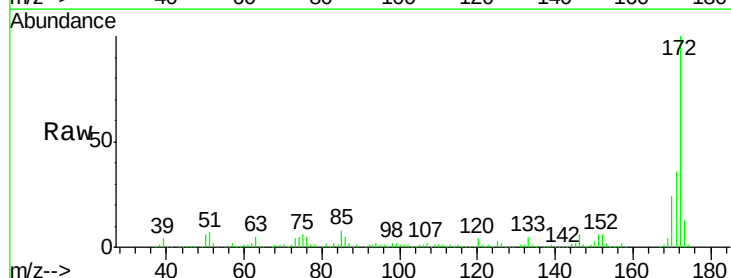
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 68.01 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087080.D
 Acq: 16 May 2016 14:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	23.9	19.8	29.8

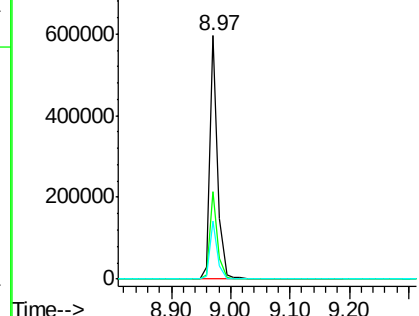
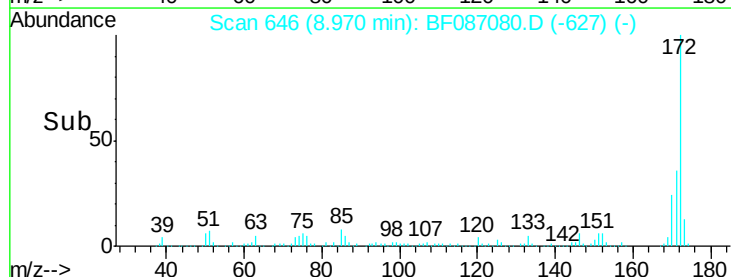


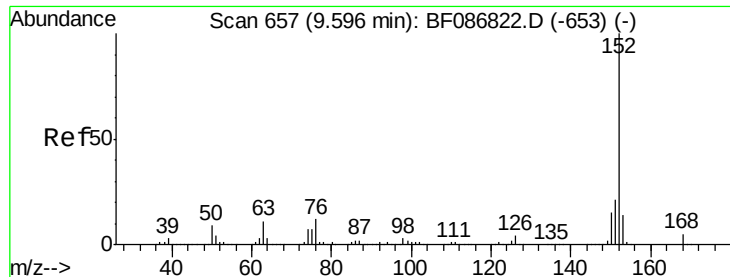
Abundance

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





#48

Acenaphthylene

Concen: 3.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

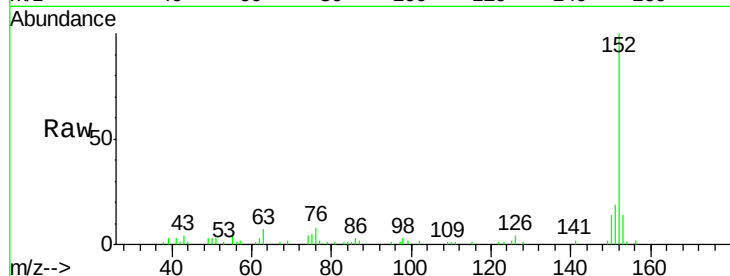
Tgt Ion:152 Resp: 37550

Ion Ratio Lower Upper

152 100

151 19.4 16.8 25.2

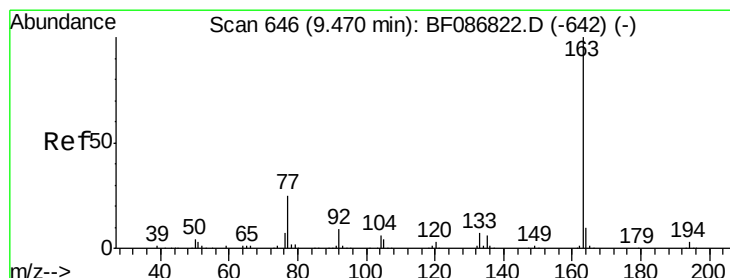
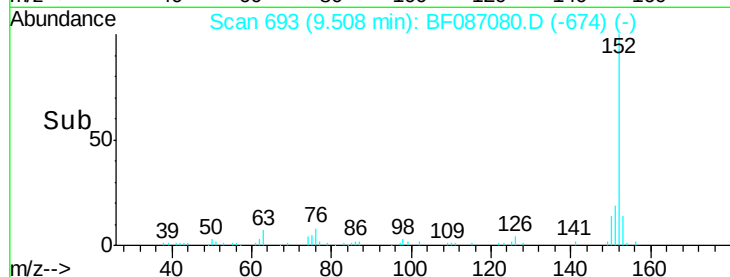
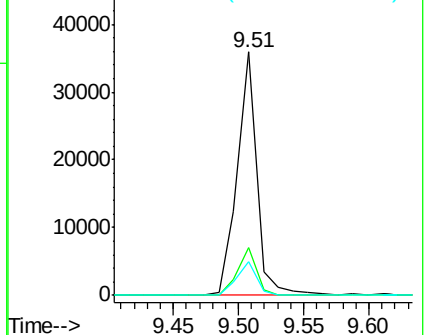
153 13.6 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.32 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.10 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

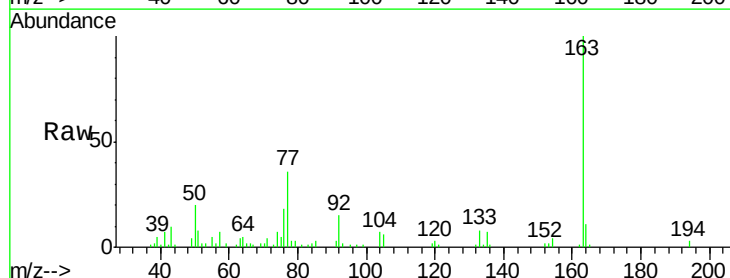
Tgt Ion:163 Resp: 45014

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

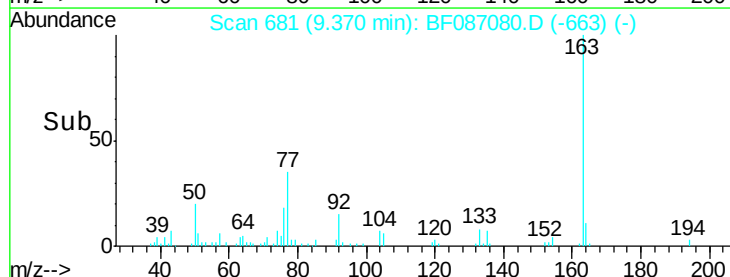
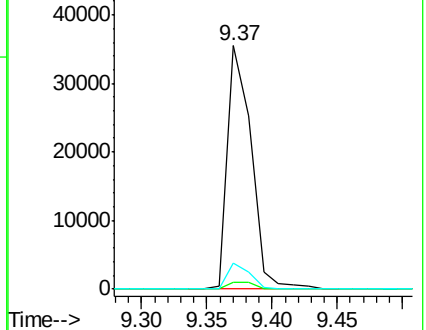
164 10.5 8.2 12.4

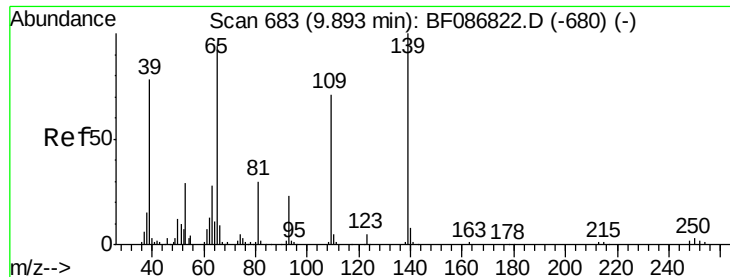


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

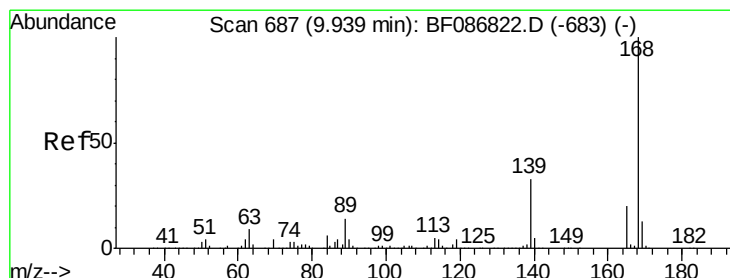
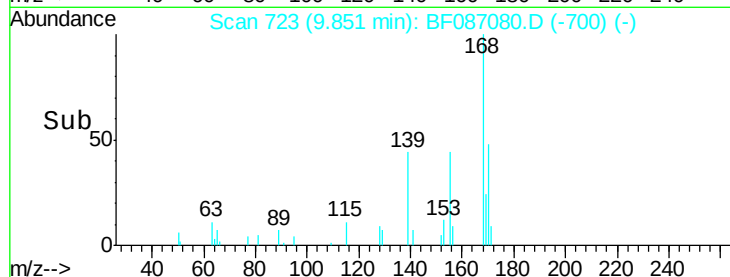
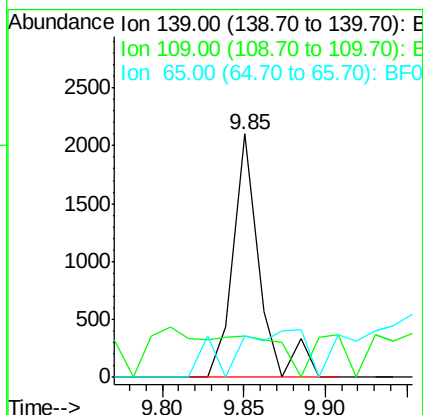
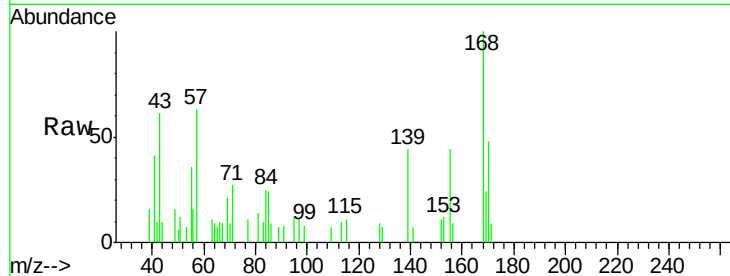




#55
4-Nitrophenol
Concen: 6.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.04 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

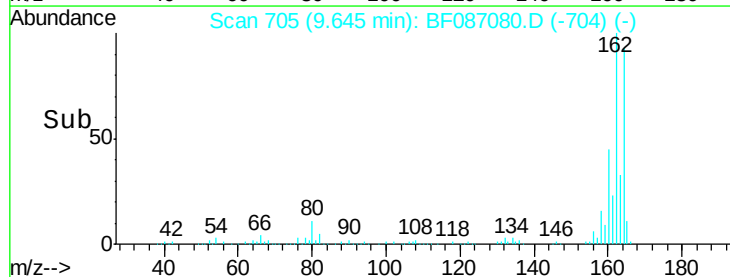
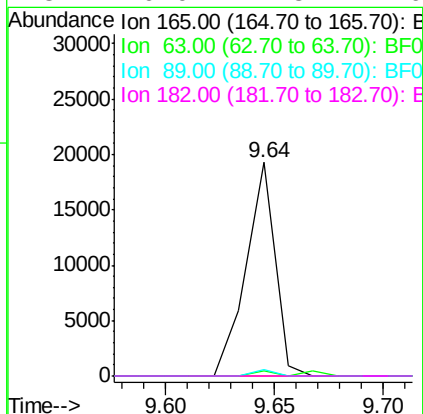
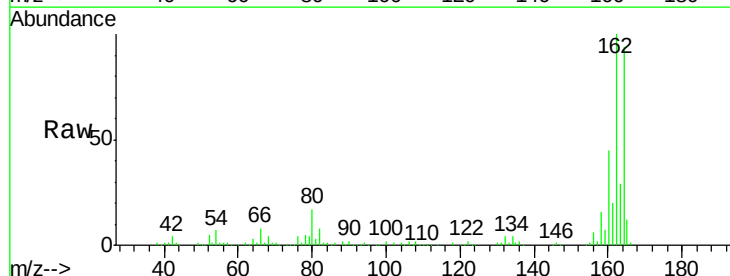
Instrument :
BNA_F
ClientSampled :
DUPB

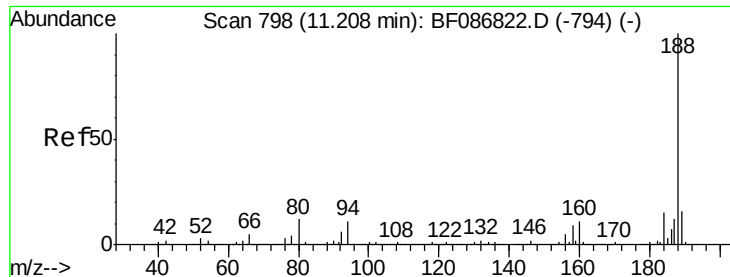
Tgt Ion:139 Resp: 2354
Ion Ratio Lower Upper
139 100
109 17.0 36.9 76.9#
65 16.7 64.0 104.0#



#56
2,4-Dinitrotoluene
Concen: 6.60 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.29 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:165 Resp: 17904
Ion Ratio Lower Upper
165 100
63 2.4 44.3 66.5#
89 2.9 70.0 105.0#
182 0.0 1.8 2.6#

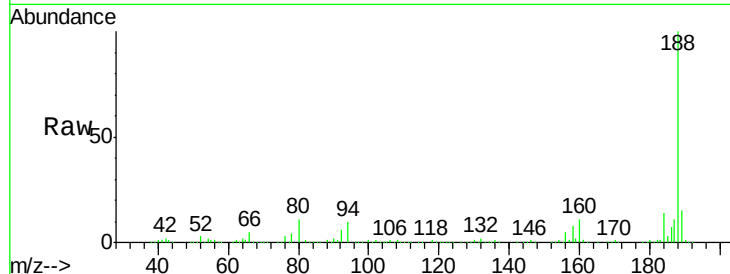




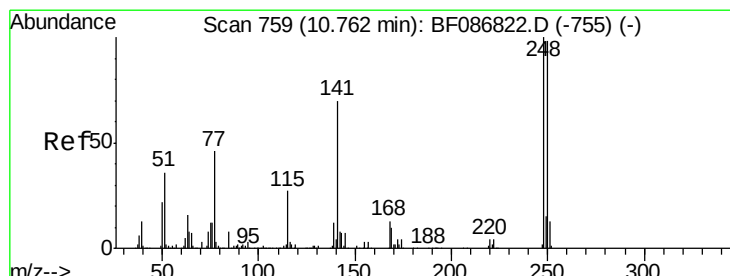
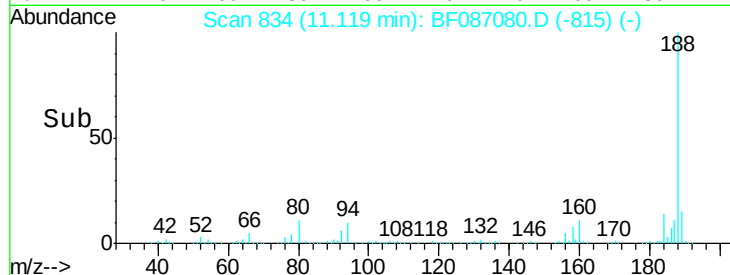
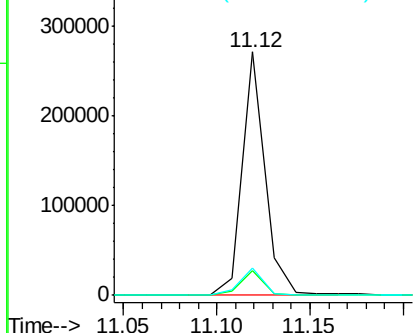
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.09 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:188 Resp: 231054
Ion Ratio Lower Upper
188 100
94 10.2 6.8 10.2#
80 11.3 7.1 10.7#

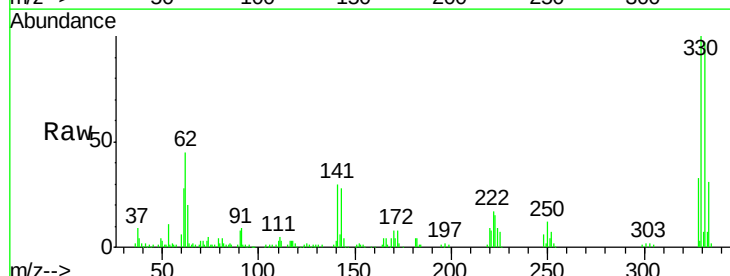


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

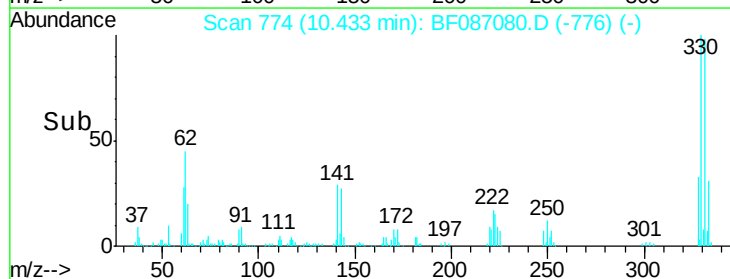
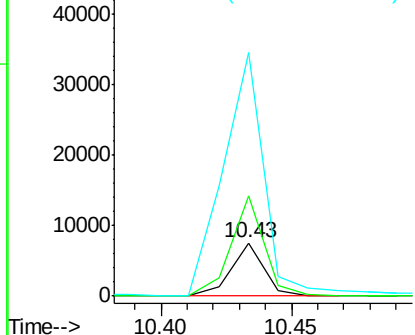


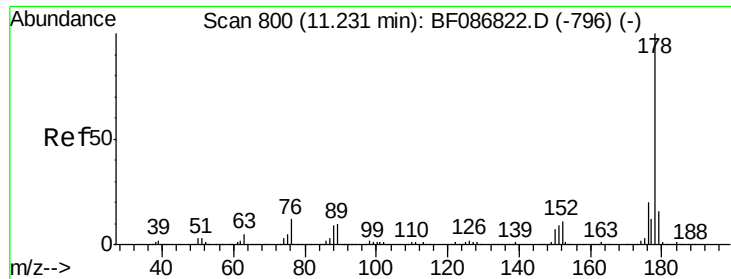
#66
4-Bromophenyl-phenylether
Concen: 2.82 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:248 Resp: 6615
Ion Ratio Lower Upper
248 100
250 187.5 78.6 117.8#
141 457.6 76.0 114.0#



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

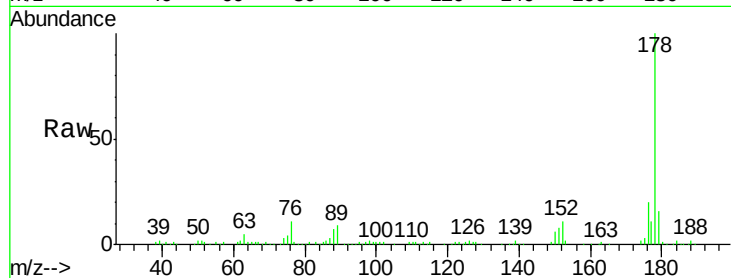




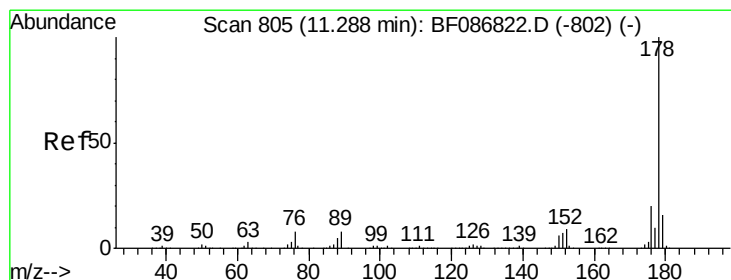
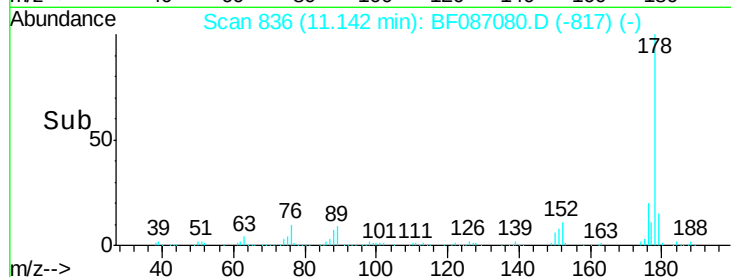
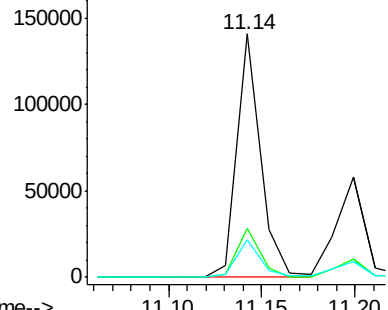
#70
Phenanthrene
Concen: 9.99 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.09 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:178 Resp: 123212
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.6 12.6 18.8

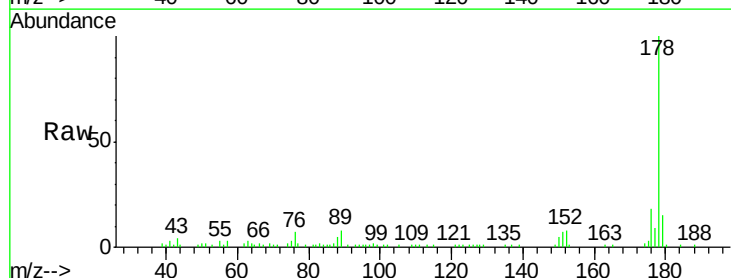


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

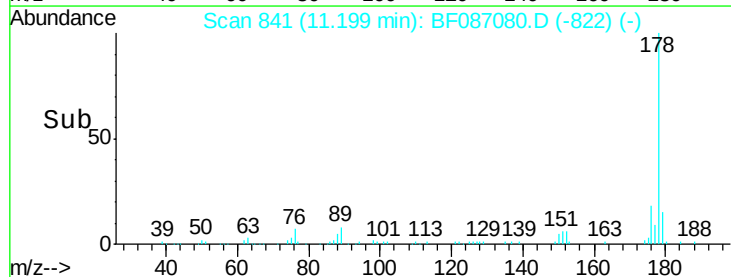
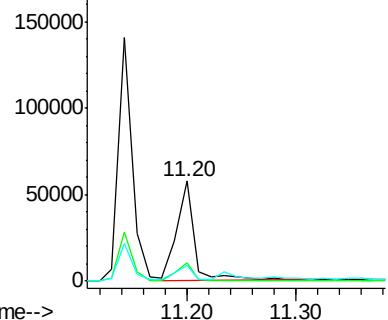


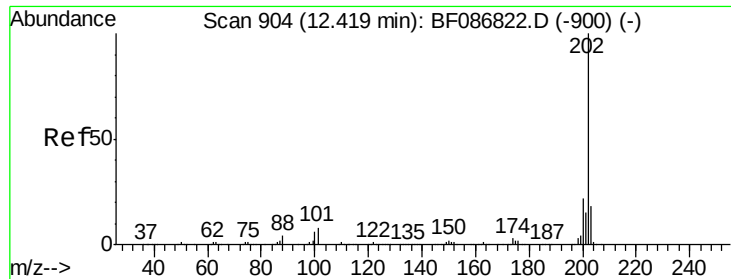
#71
Anthracene
Concen: 5.23 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.09 min
Lab File: BF087080.D
Acq: 16 May 2016 14:39

Tgt Ion:178 Resp: 65927
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.2 12.7 19.1



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





#74

Fluoranthene

Concen: 36.62 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

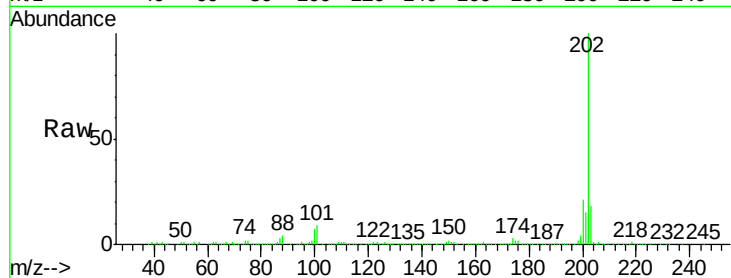
Tgt Ion:202 Resp: 464458

Ion Ratio Lower Upper

202 100

101 9.3 0.0 35.4

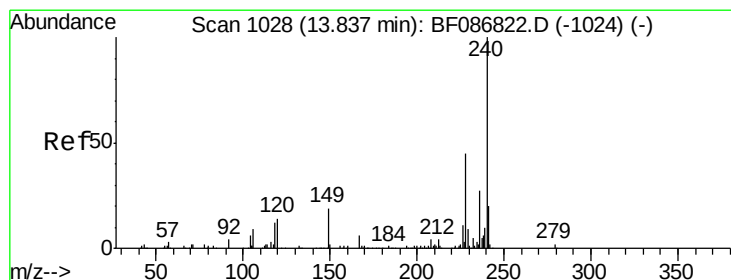
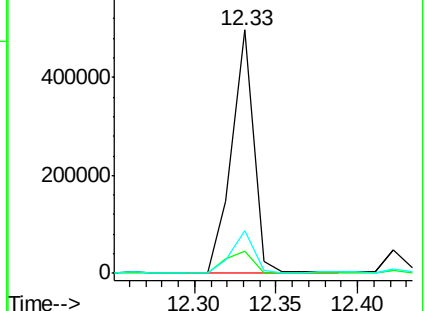
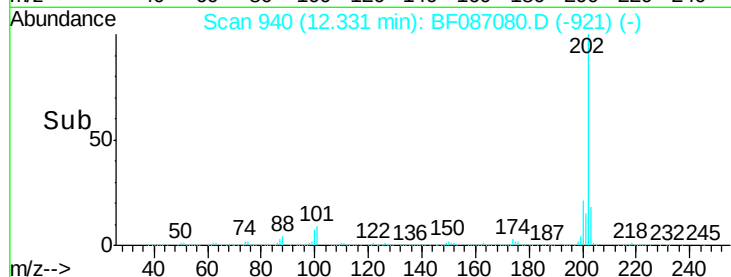
203 17.7 0.0 38.1



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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

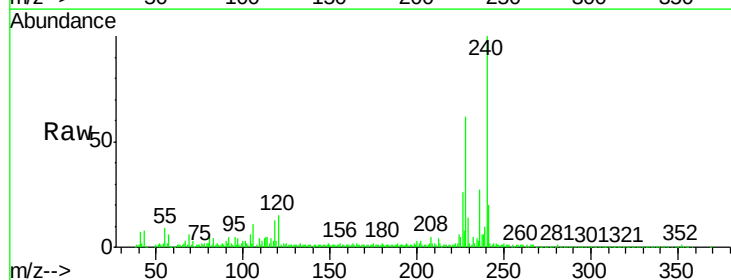
Tgt Ion:240 Resp: 184718

Ion Ratio Lower Upper

240 100

120 15.3 11.2 16.8

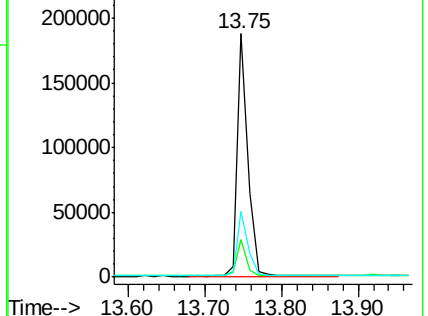
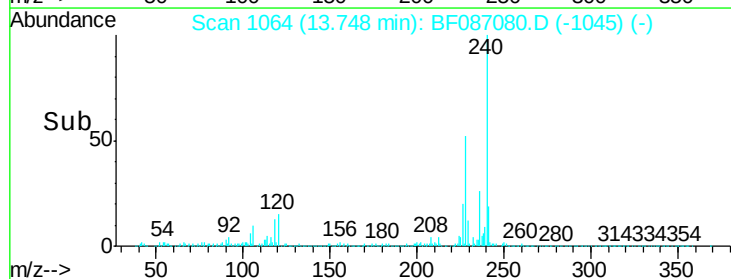
236 26.8 21.2 31.8

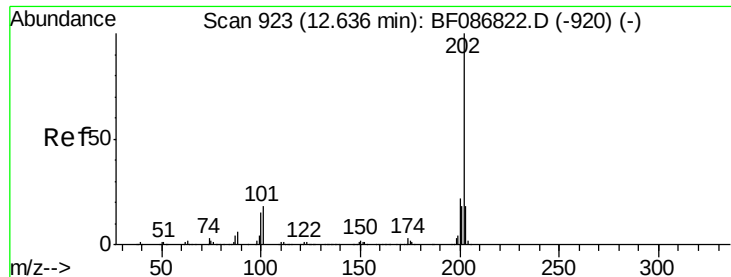


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 26.69 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

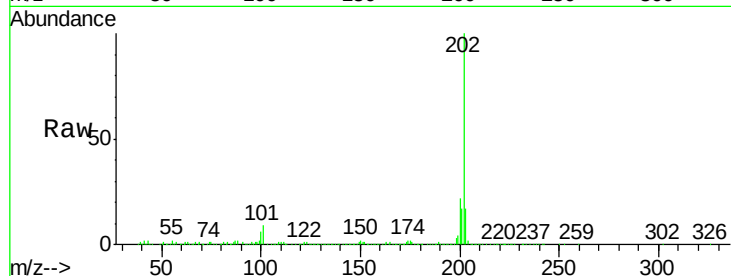
Tgt Ion:202 Resp: 377412

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

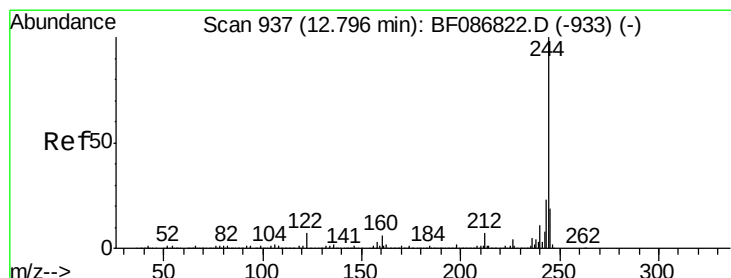
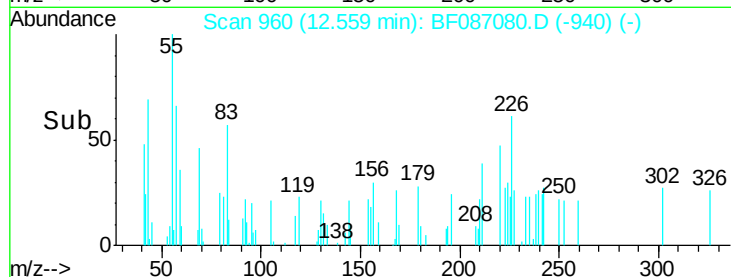
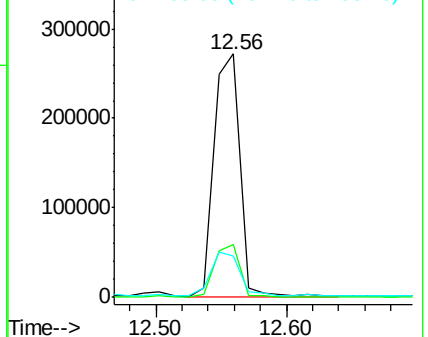
203 17.2 14.2 21.4



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: 46.82 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

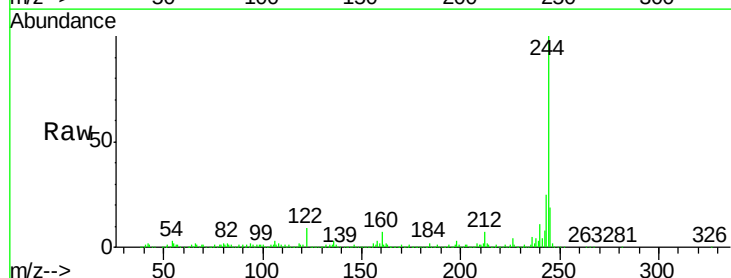
Tgt Ion:244 Resp: 407583

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

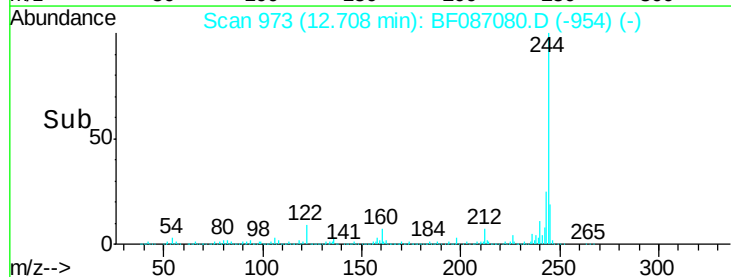
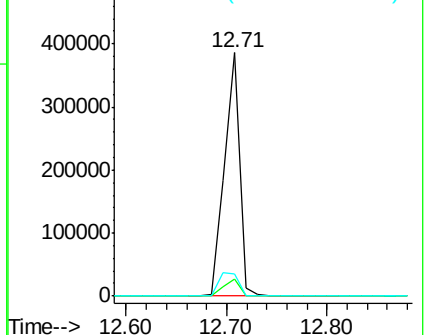
122 9.1 12.0 18.0#

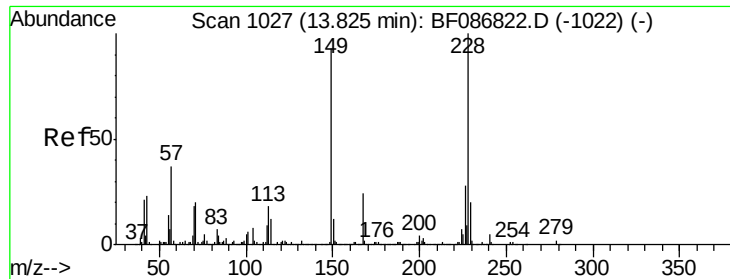


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 22.53 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

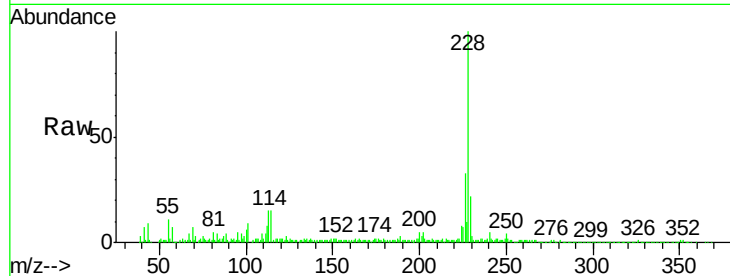
Tgt Ion:228 Resp: 233630

Ion Ratio Lower Upper

228 100

226 33.3 22.5 33.7

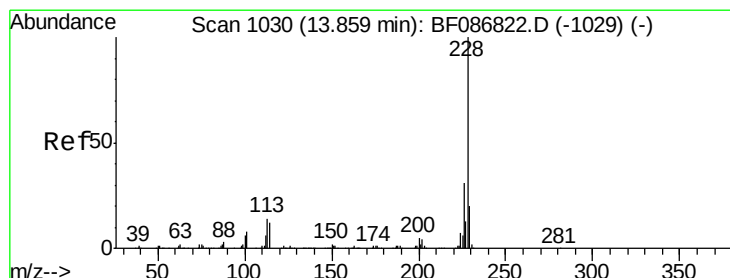
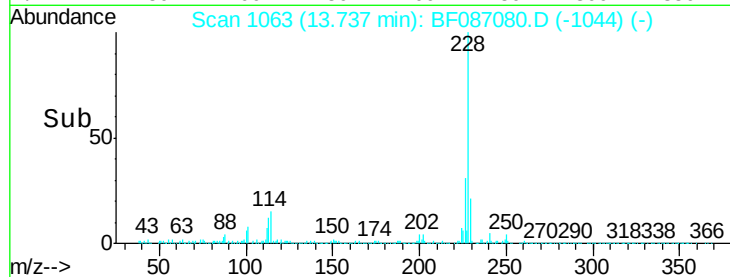
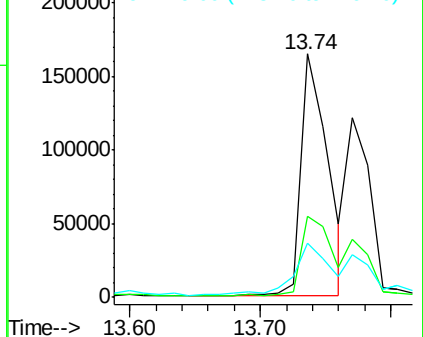
229 22.3 16.6 25.0



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



#82

Chrysene

Concen: 22.15 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.12 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

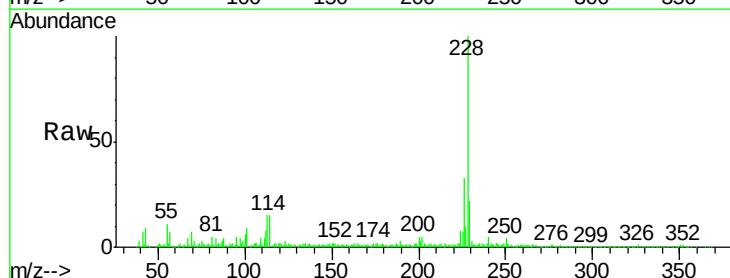
Tgt Ion:228 Resp: 233630

Ion Ratio Lower Upper

228 100

226 33.3 24.4 36.6

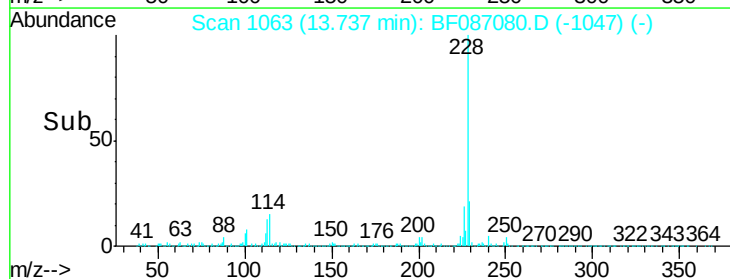
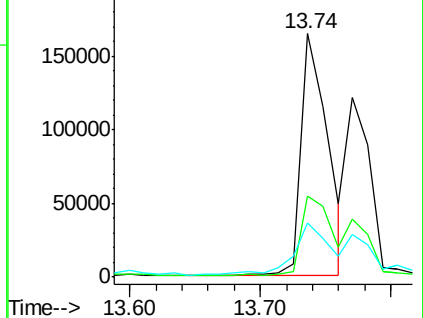
229 22.3 15.8 23.8

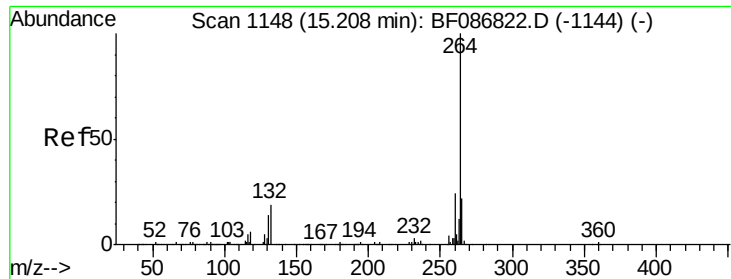


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

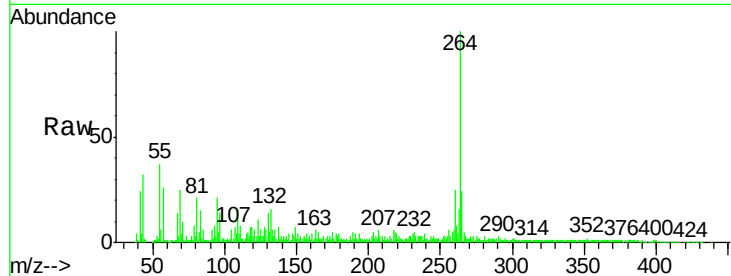
Tgt Ion: 264 Resp: 140806

Ion Ratio Lower Upper

264 100

260 25.5 19.5 29.3

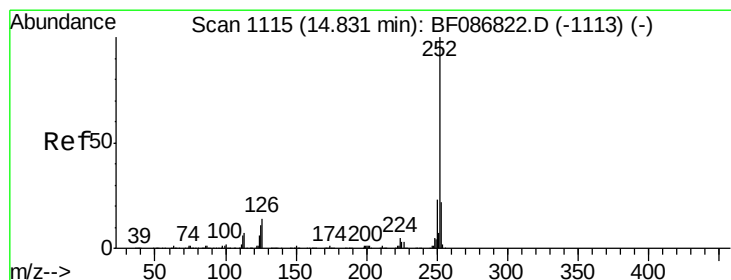
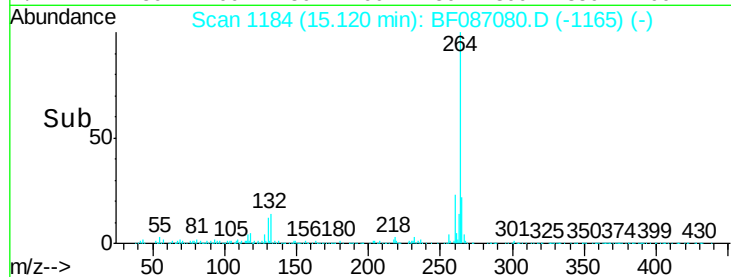
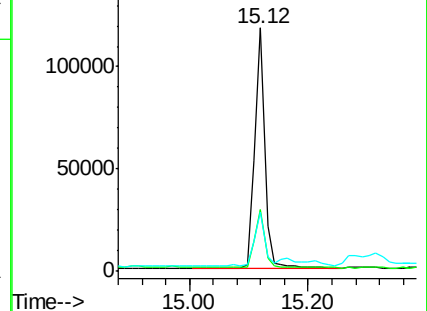
265 24.2 17.3 25.9



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



#87

Benzo(b)fluoranthene

Concen: 25.98 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.08 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

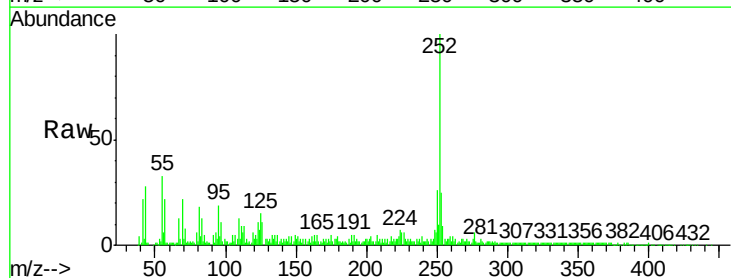
Tgt Ion: 252 Resp: 237783

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

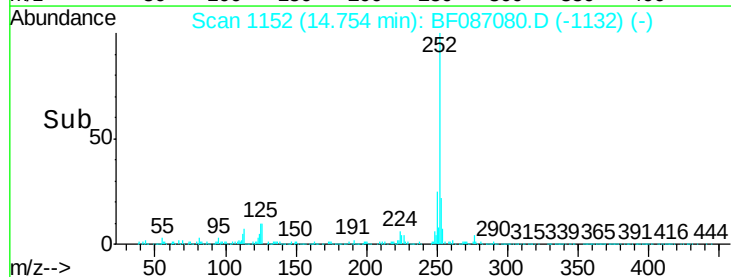
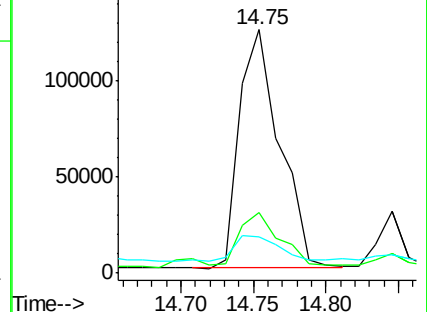
125 15.1 11.4 17.0

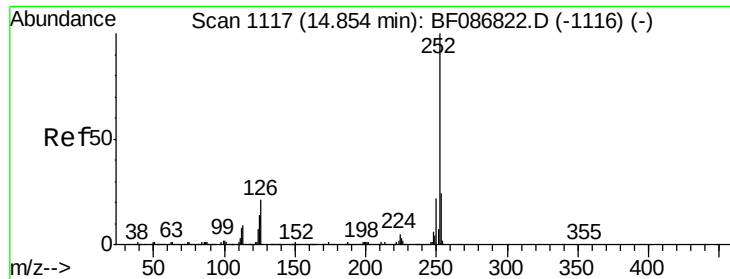


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 31.73 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.10 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

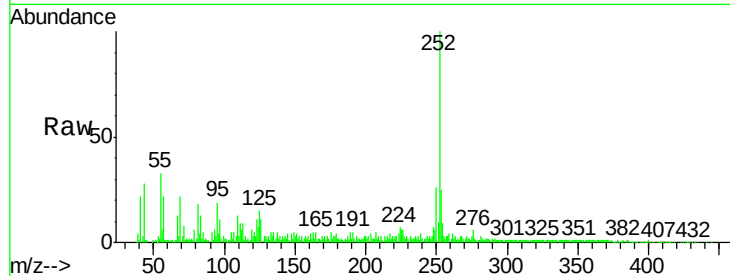
Tgt Ion:252 Resp: 237783

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

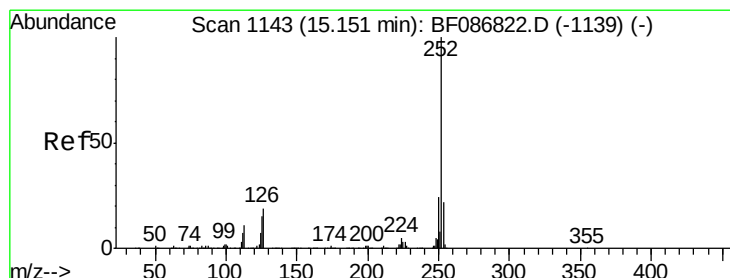
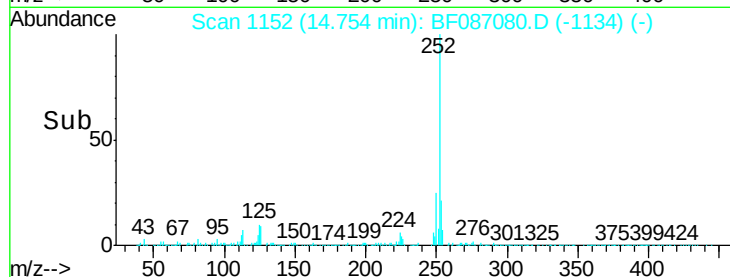
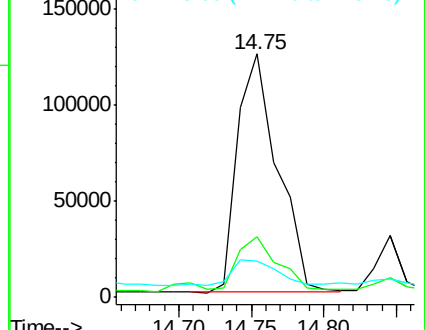
125 15.1 9.1 13.7#



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: 14.48 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

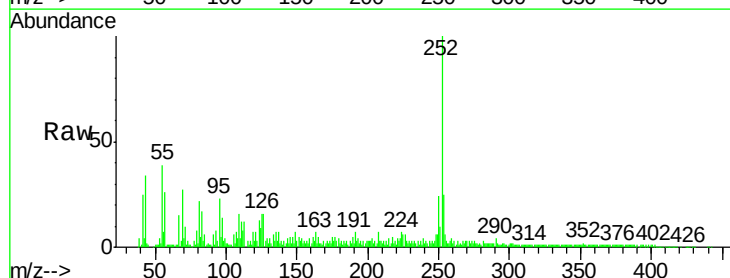
Tgt Ion:252 Resp: 114267

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

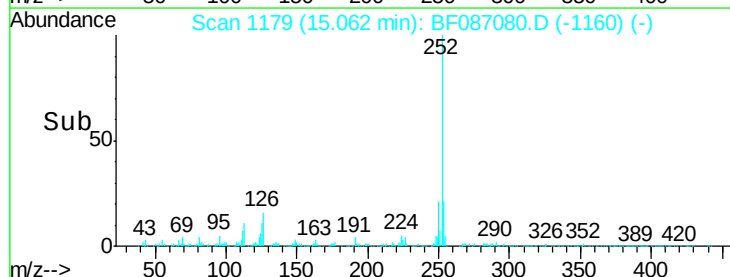
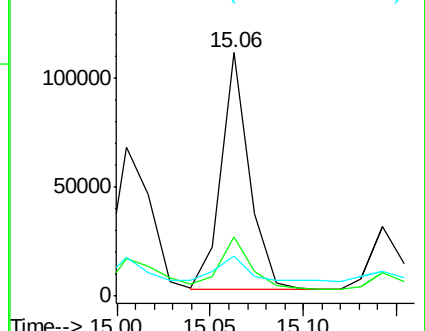
125 16.3 9.0 13.6#

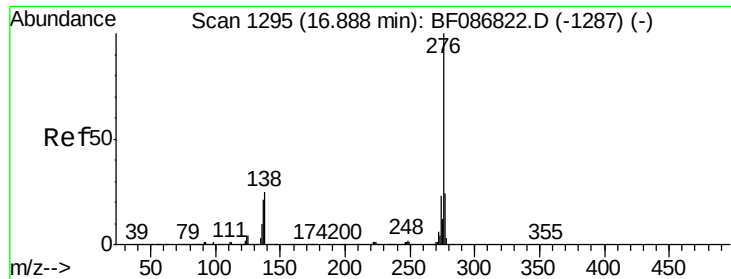


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 8.01 ng

RT: 16.75 min Scan# 1327

Delta R.T. -0.13 min

Lab File: BF087080.D

Acq: 16 May 2016 14:39

Instrument :

BNA_F

ClientSampleId :

DUPB

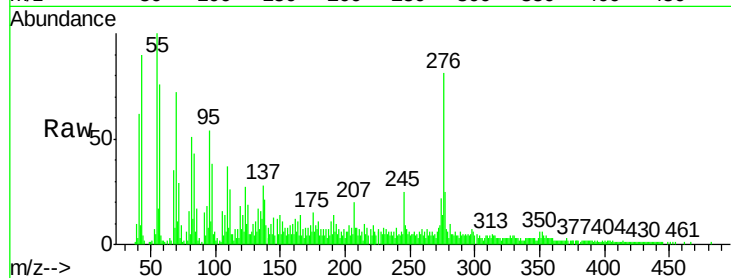
Tgt Ion: 276 Resp: 54118

Ion Ratio Lower Upper

276 100

277 30.9 19.6 29.4#

138 26.1 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

