

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088975.D
 Acq On : 13 Jul 2016 23:36
 Operator : UM/SJ
 Sample : H3946-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M8-B3(0-5)C

Quant Time: Jul 14 01:16:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	74770	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	253697	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	105156	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	159803	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	132409	20.00	ng	-0.02
86) Perylene-d12	15.20	264	115772	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	579456	116.15	ng	0.01
7) Phenol-d6	6.35	99	719449	111.60	ng	0.00
23) Nitrobenzene-d5	7.27	82	509019	105.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	127534	130.61	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	709368	106.56	ng	-0.01
78) Terphenyl-d14	12.79	244	419073	70.49	ng	-0.01

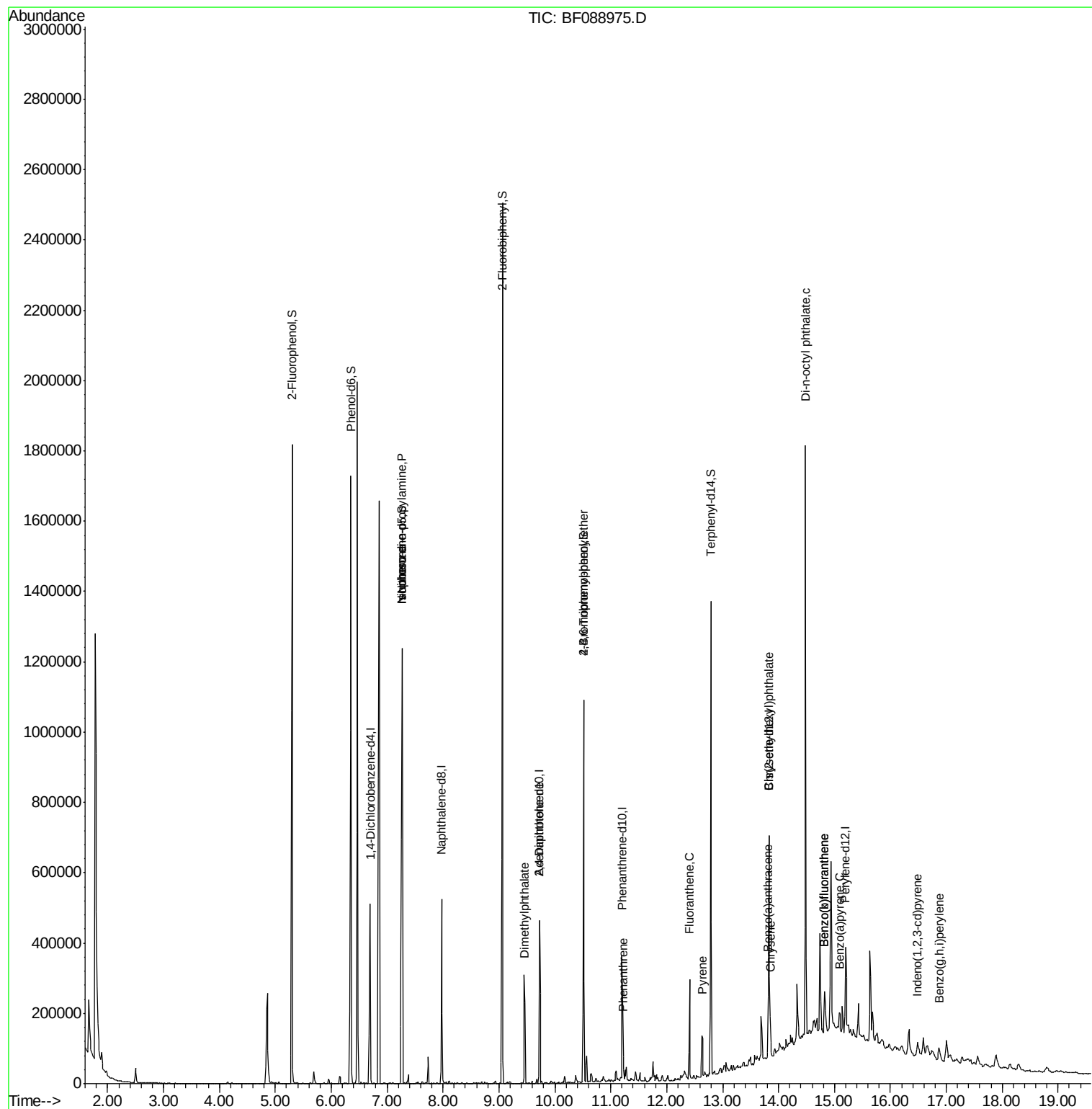
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	69470	16.04	ng	# 70
25) Isophorone	7.27	82	469108	52.31	ng	# 65
49) Dimethylphthalate	9.46	163	173513	23.16	ng	98
56) 2,4-Dinitrotoluene	9.72	165	13569	6.25	ng	# 36
66) 4-Bromophenyl-phenylether	10.51	248	8259	5.13	ng	# 1
70) Phenanthrene	11.22	178	28631	3.28	ng	99
74) Fluoranthene	12.41	202	70101	7.92	ng	94
77) Pyrene	12.64	202	60961	5.43	ng	97
80) Benzo(a)anthracene	13.82	228	47536	5.58	ng	96
82) Chrysene	13.85	228	36423	4.32	ng	97
83) Bis(2-ethylhexyl)phthalate	13.83	149	58734	10.27	ng	97
84) Di-n-octyl phthalate	14.48	149	156468	16.11	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.48	276	19048	2.94	ng	# 100
87) Benzo(b)fluoranthene	14.82	252	72928	10.04	ng	# 95
88) Benzo(k)fluoranthene	14.82	252	70589	11.17	ng	99
89) Benzo(a)pyrene	15.10	252	29762	4.84	ng	96
91) Benzo(g,h,i)perylene	16.87	276	20168	3.80	ng	96

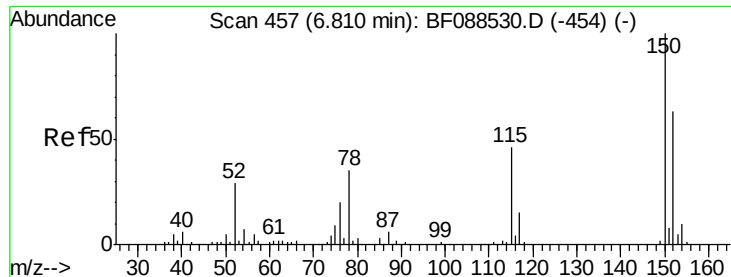
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

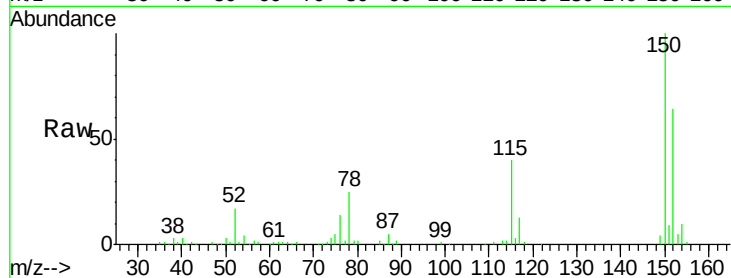
Tgt Ion:152 Resp: 74770

Ion Ratio Lower Upper

152 100

150 155.1 123.8 185.6

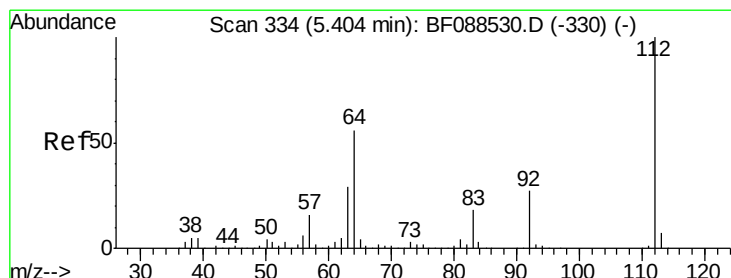
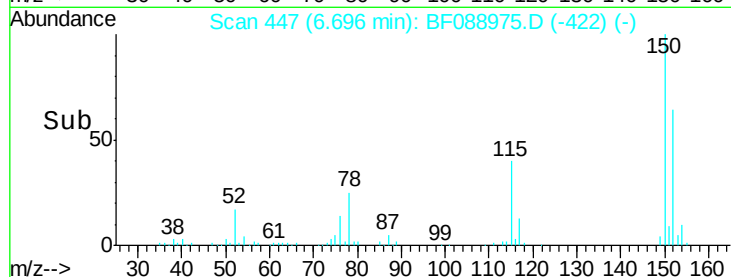
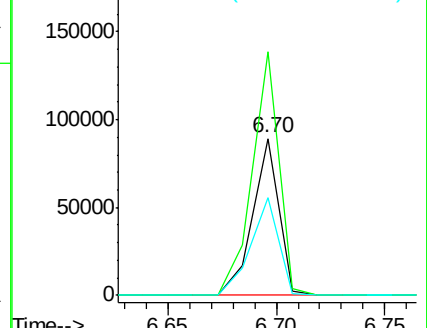
115 62.6 39.6 59.4#



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: 116.15 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

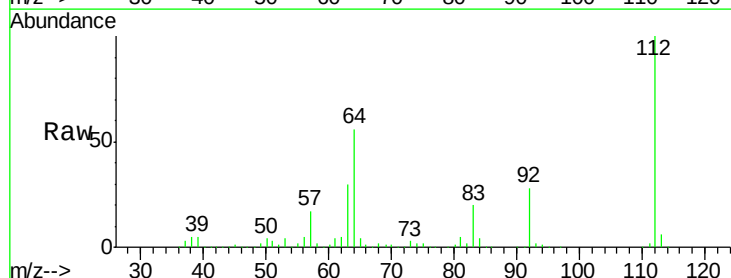
Tgt Ion:112 Resp: 579456

Ion Ratio Lower Upper

112 100

64 55.9 42.2 63.2

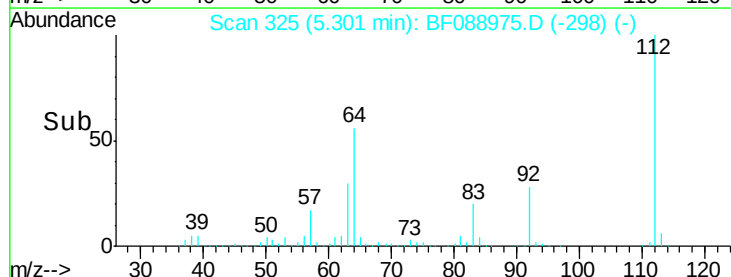
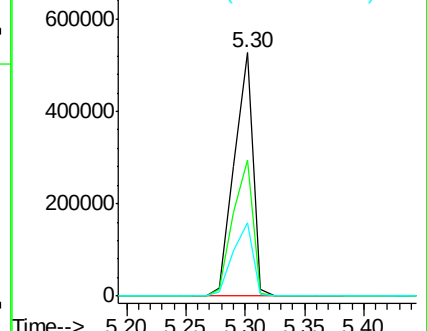
63 30.4 21.8 32.8

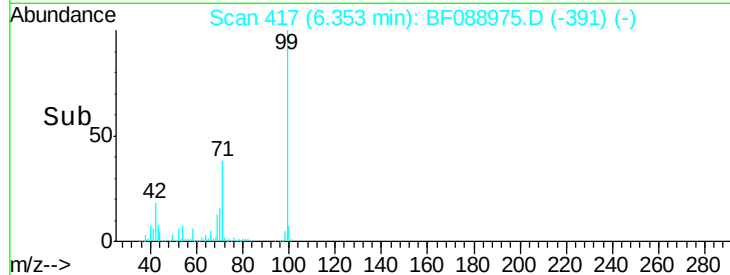
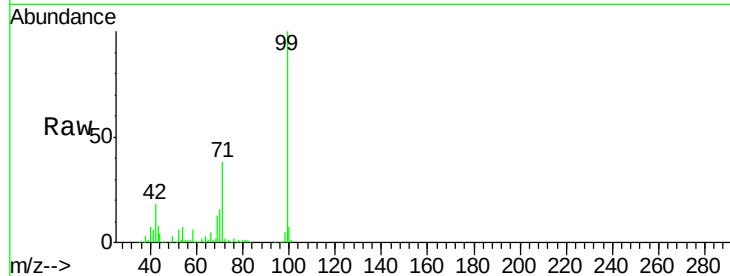
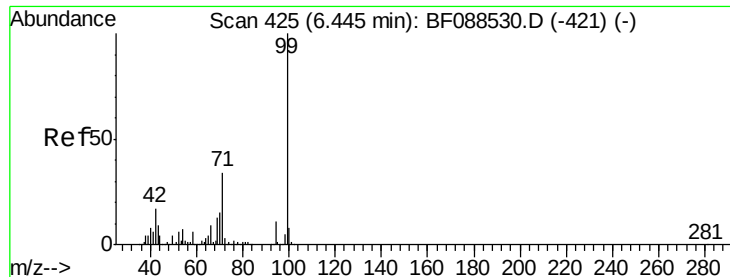


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.60 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

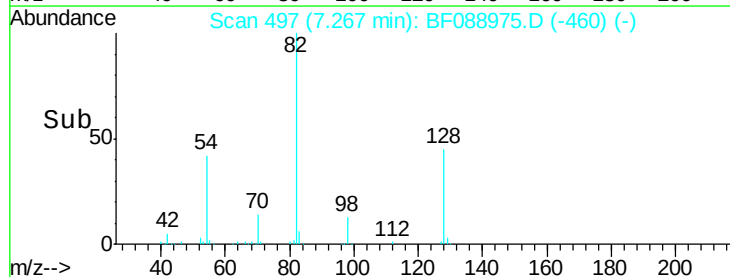
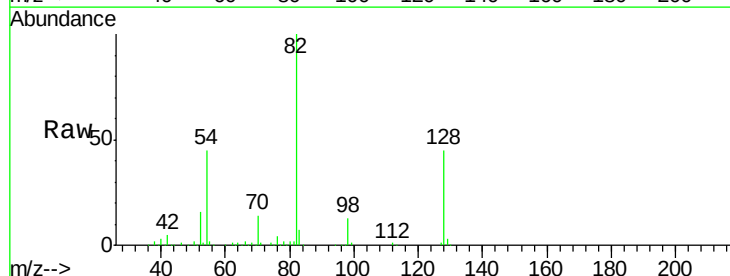
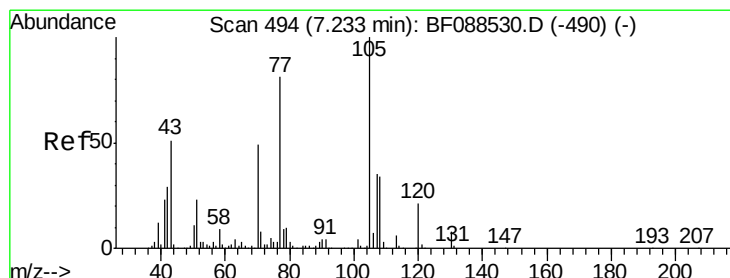
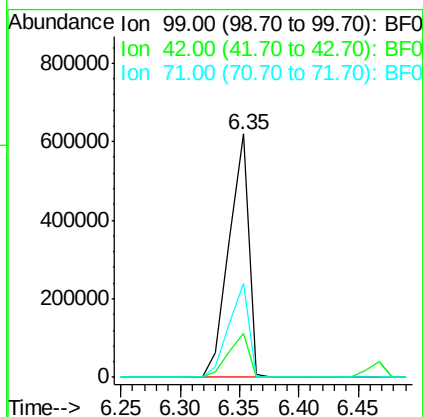
Tgt Ion: 99 Resp: 719449

Ion Ratio Lower Upper

99 100

42 17.9 12.2 18.2

71 38.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.04 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Tgt Ion: 70 Resp: 69470

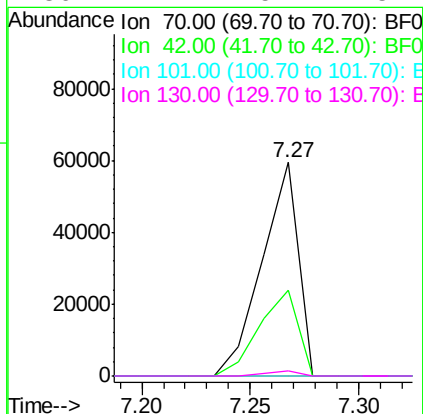
Ion Ratio Lower Upper

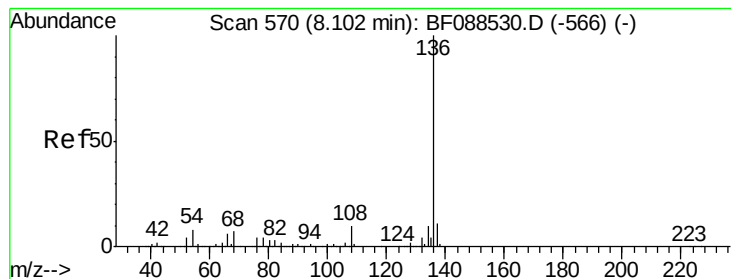
70 100

42 40.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

Tgt Ion:136 Resp: 253697

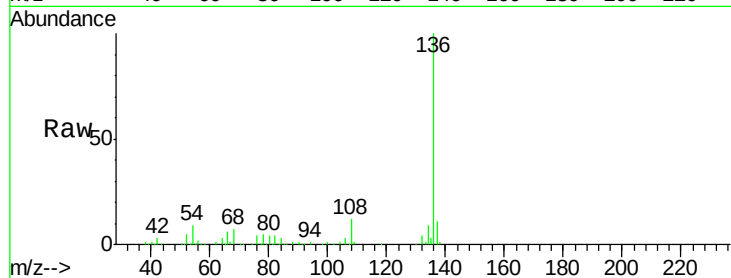
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.8 6.6 10.0

68 6.9 5.1 7.7

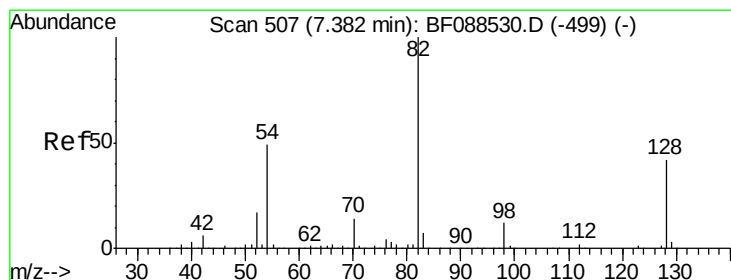
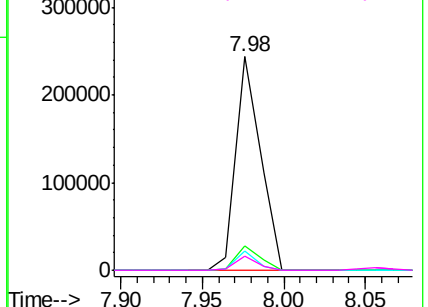
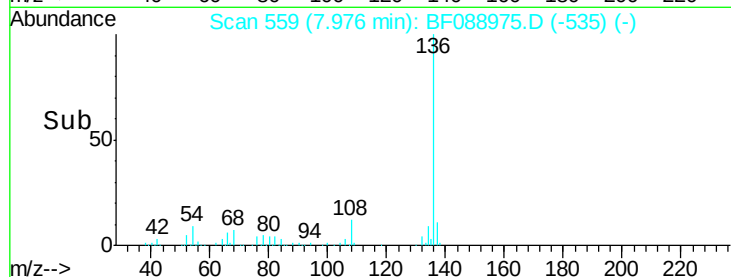


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.14 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

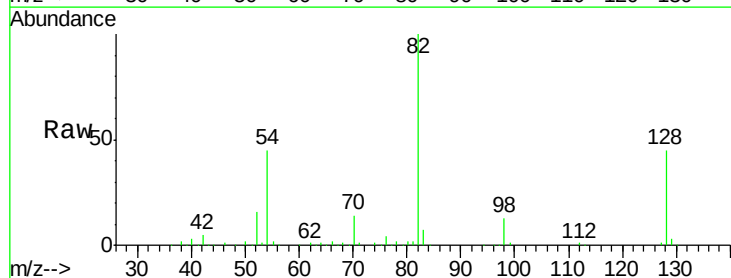
Tgt Ion: 82 Resp: 509019

Ion Ratio Lower Upper

82 100

128 45.2 35.9 53.9

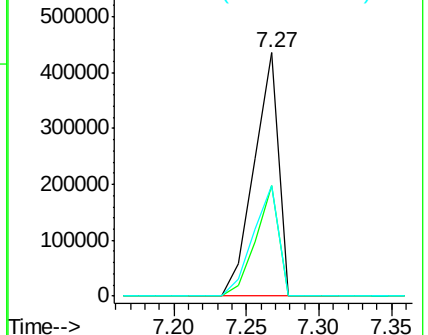
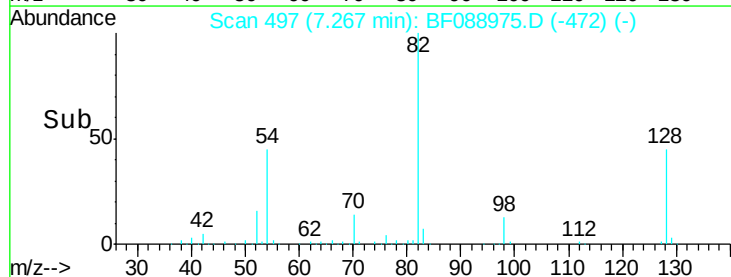
54 45.3 40.9 61.3

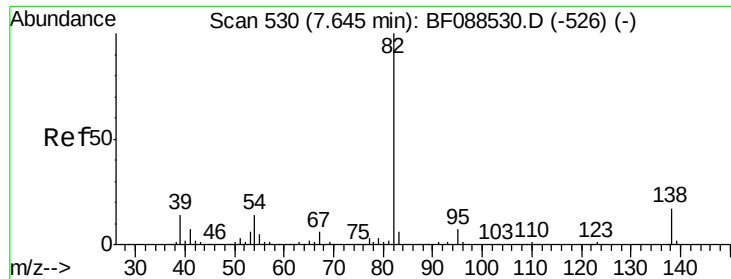


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 52.31 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

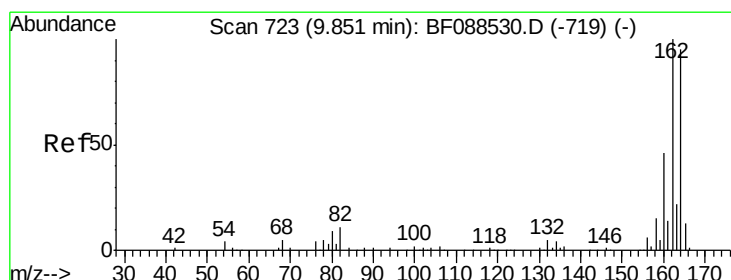
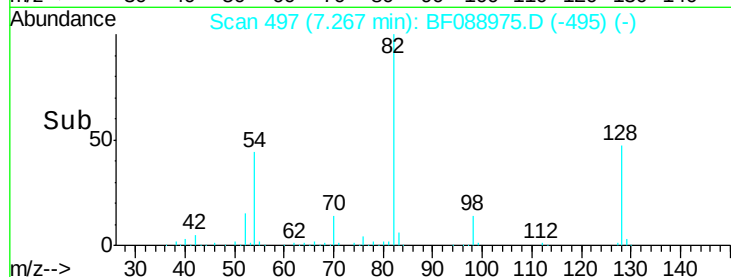
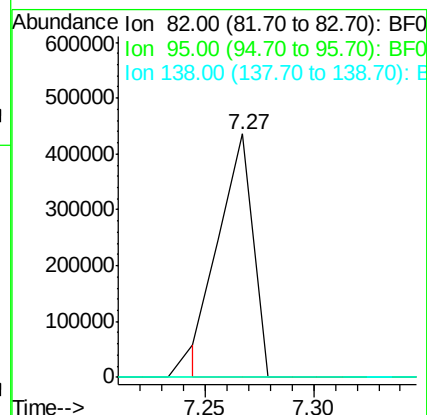
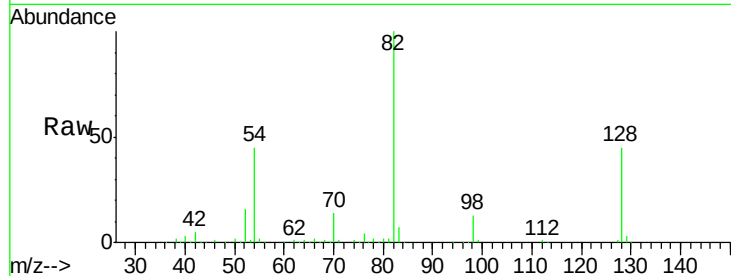
Tgt Ion: 82 Resp: 469108

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

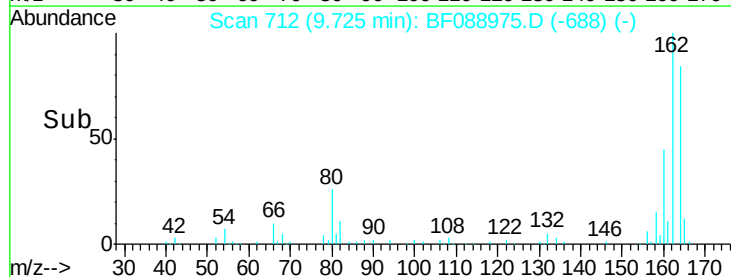
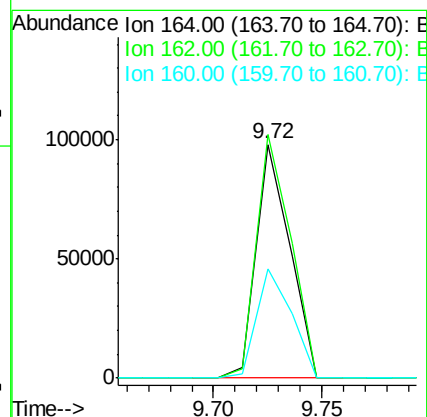
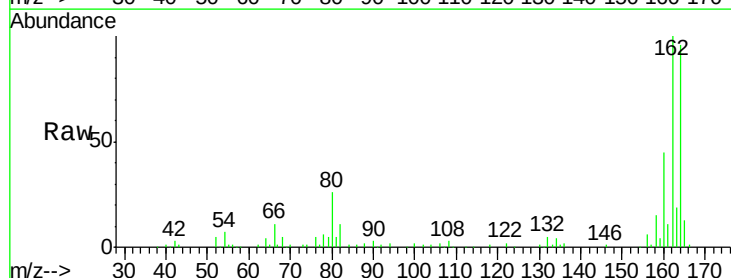
Tgt Ion: 164 Resp: 105156

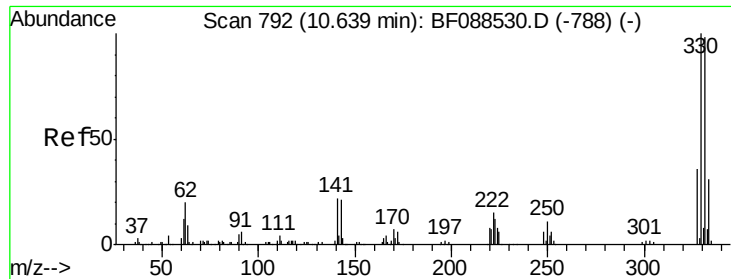
Ion Ratio Lower Upper

164 100

162 104.1 85.4 128.2

160 46.8 39.5 59.3

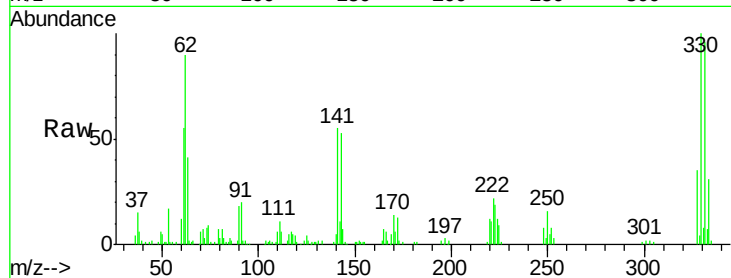




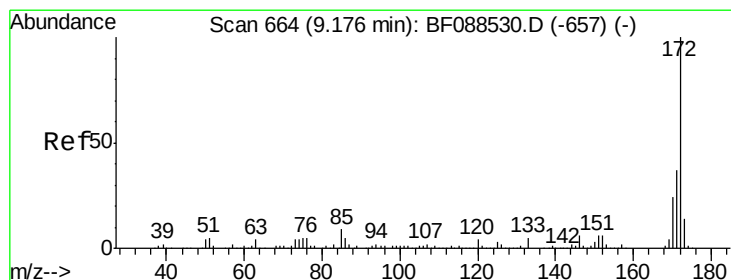
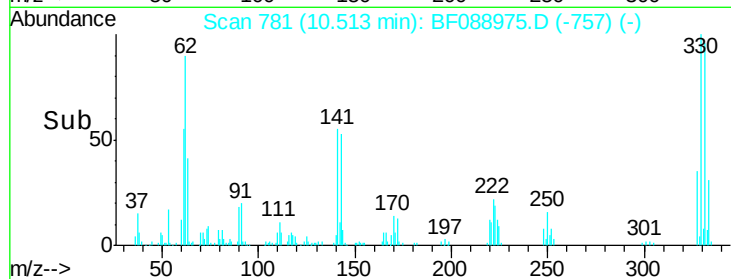
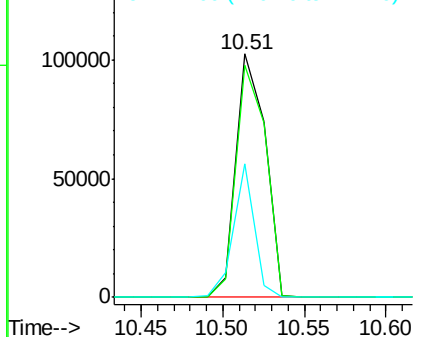
#41
 2,4,6-Tribromophenol
 Concen: 130.61 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

Instrument :
 BNA_F
 ClientSampleId :
 M8-B3(0-5)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	38.9	0.0	0.0#

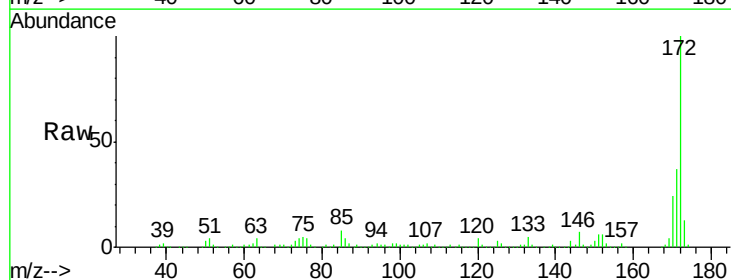


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

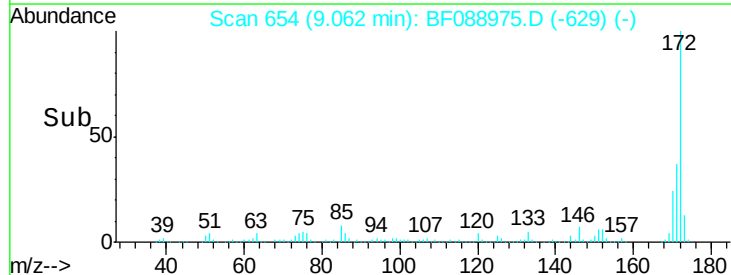
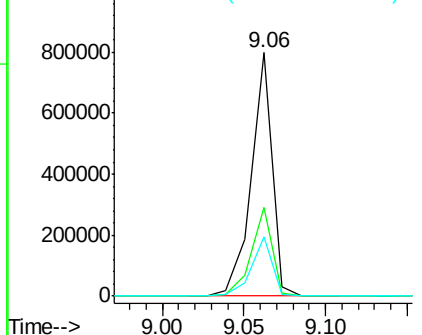


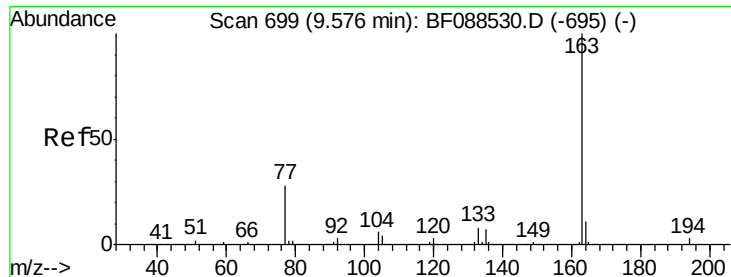
#44
 2-Fluorobiphenyl
 Concen: 106.56 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.2	19.2	28.8



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





#49

Dimethylphthalate

Concen: 23.16 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

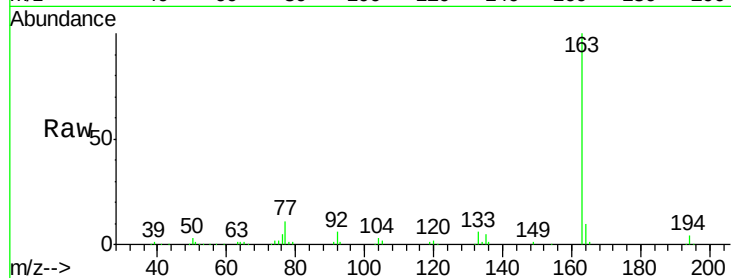
Tgt Ion:163 Resp: 173513

Ion Ratio Lower Upper

163 100

194 4.1 2.8 4.2

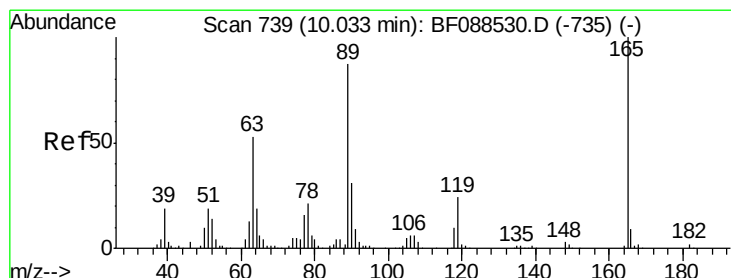
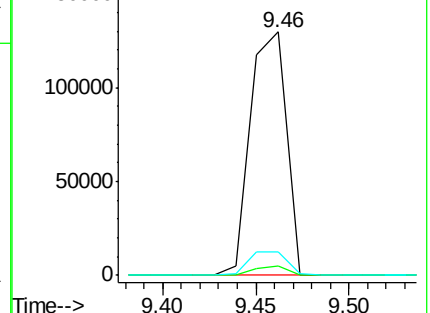
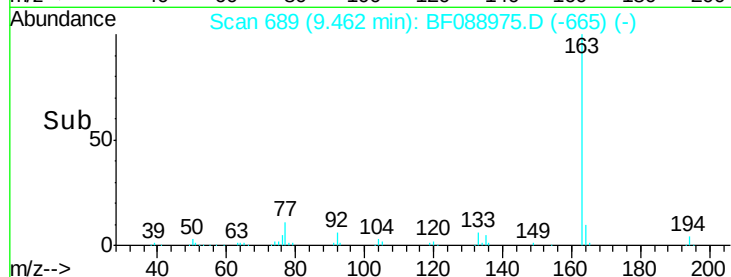
164 9.6 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.25 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Tgt Ion:165 Resp: 13569

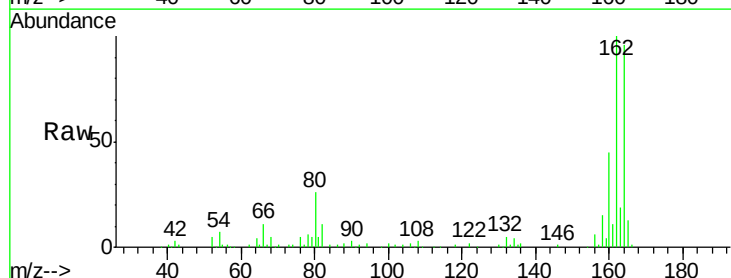
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

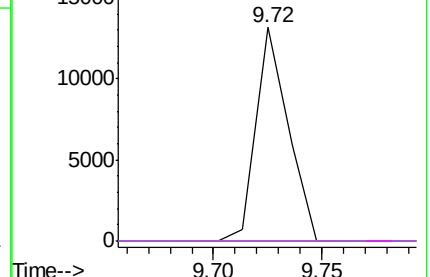
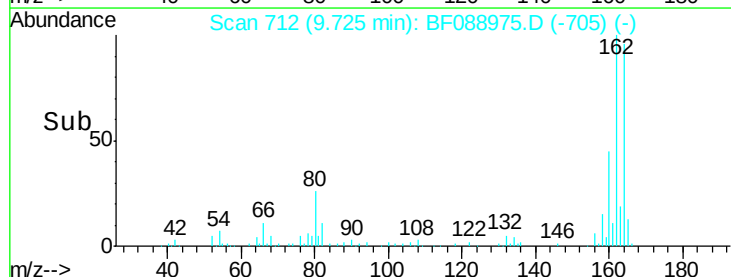


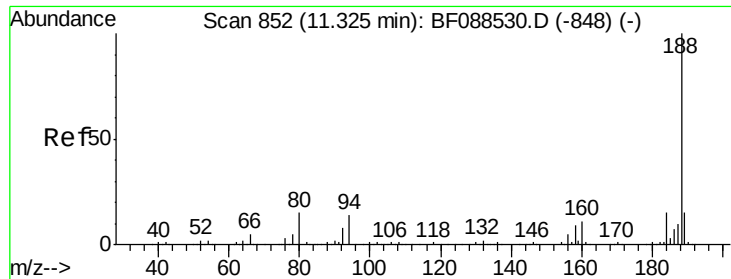
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

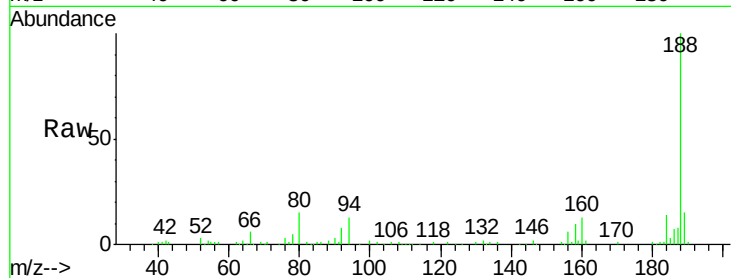




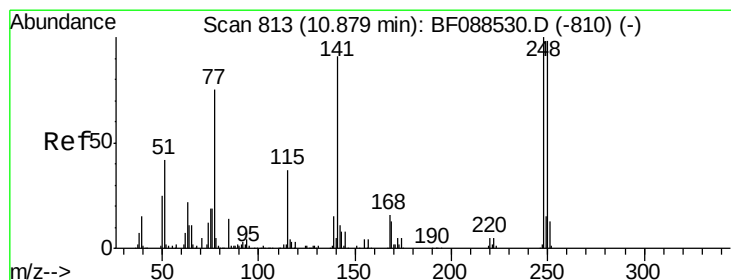
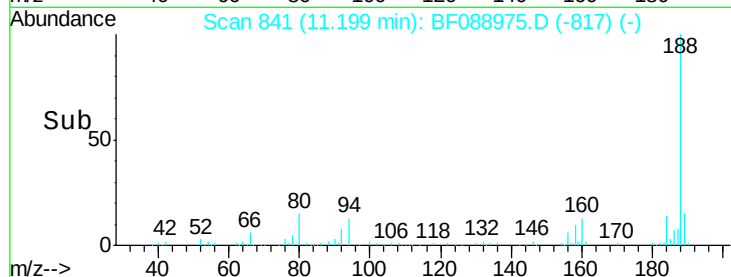
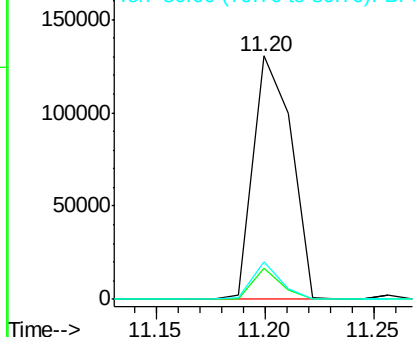
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

Instrument :
 BNA_F
 ClientSampleId :
 M8-B3(0-5)C

Tgt Ion:188 Resp: 159803
 Ion Ratio Lower Upper
 188 100
 94 13.0 9.0 13.6
 80 15.3 10.0 15.0#

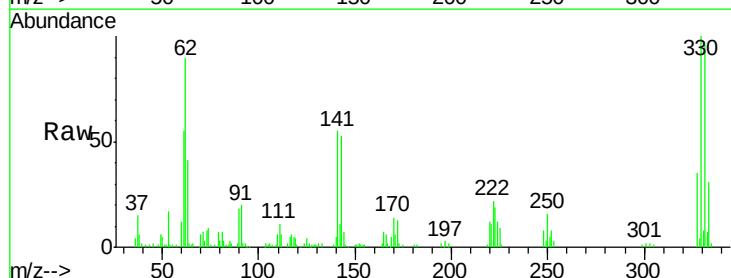


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

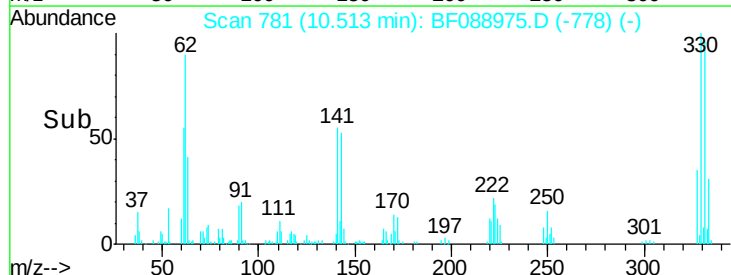
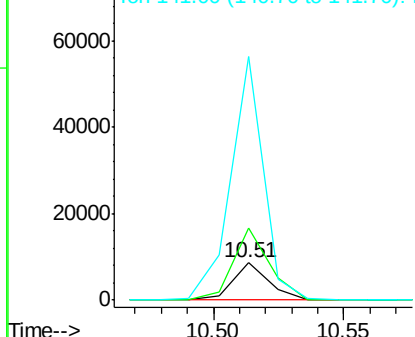


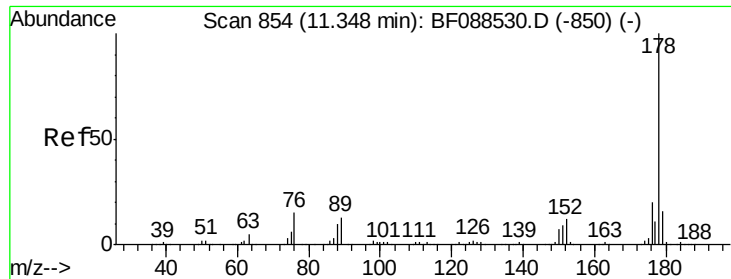
#66
 4-Bromophenyl-phenylether
 Concen: 5.13 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.26 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

Tgt Ion:248 Resp: 8259
 Ion Ratio Lower Upper
 248 100
 250 194.5 77.1 115.7#
 141 658.8 50.6 76.0#



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

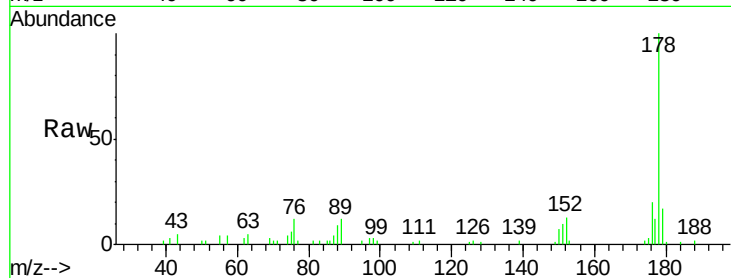




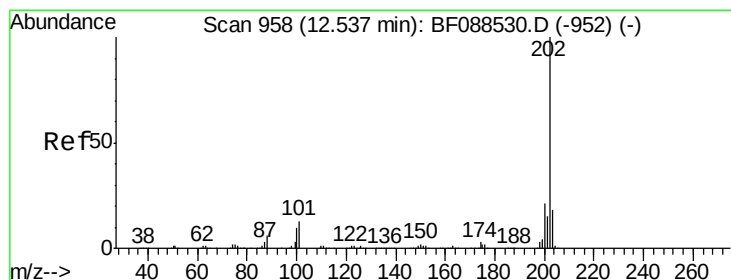
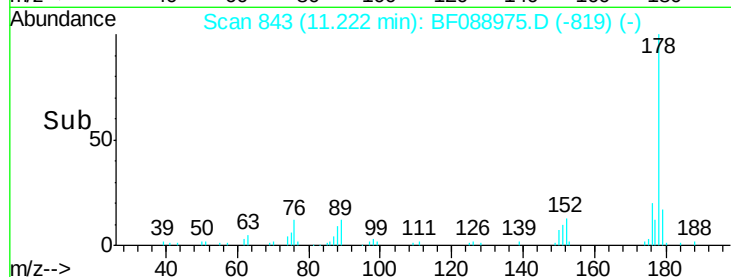
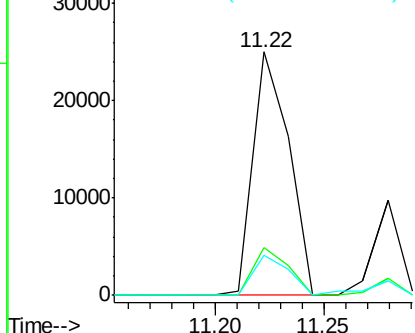
#70
Phenanthrene
Concen: 3.28 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF088975.D
Acq: 13 Jul 2016 23:36

Instrument :
BNA_F
ClientSampleId :
M8-B3(0-5)C

Tgt Ion:178 Resp: 28631
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 16.7 13.0 19.4

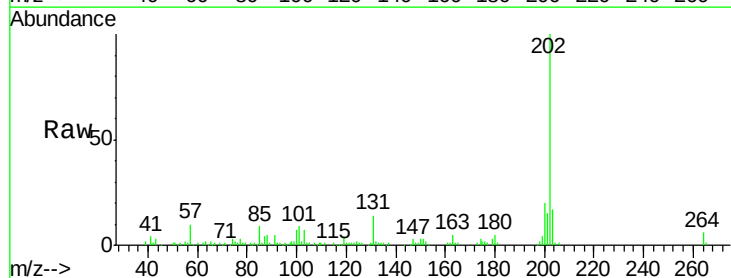


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

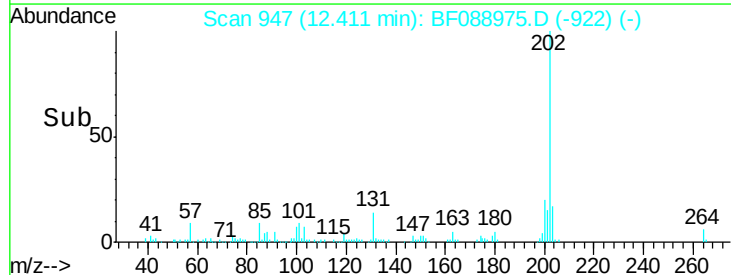
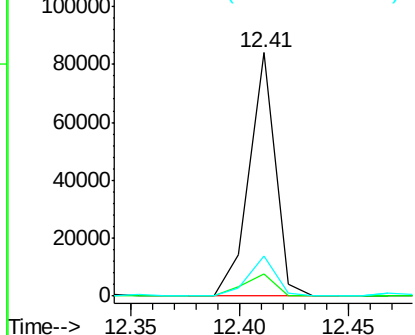


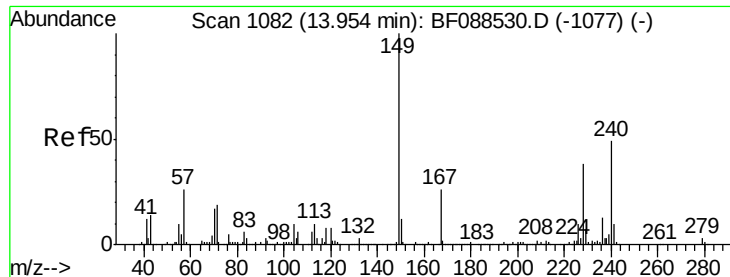
#74
Fluoranthene
Concen: 7.92 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF088975.D
Acq: 13 Jul 2016 23:36

Tgt Ion:202 Resp: 70101
Ion Ratio Lower Upper
202 100
101 9.3 0.0 33.1
203 16.7 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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

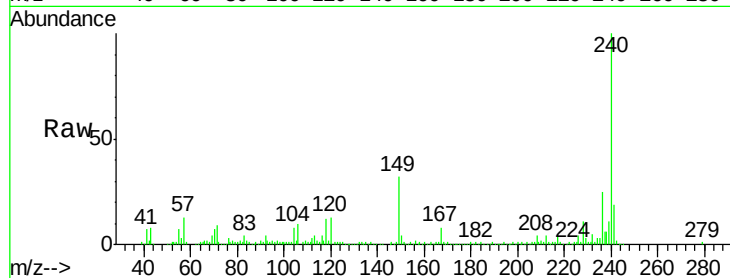
Tgt Ion:240 Resp: 132409

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

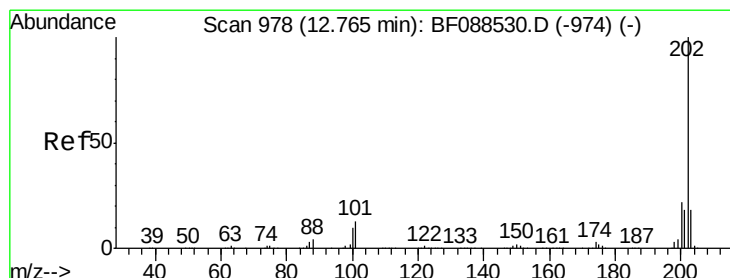
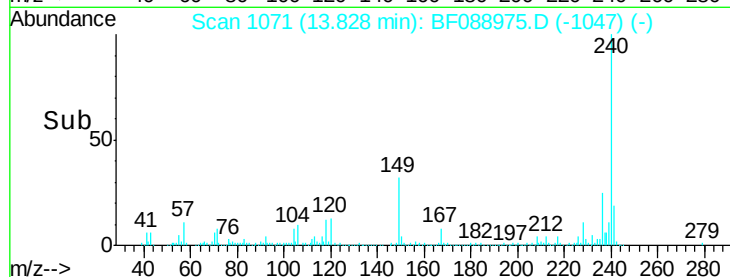
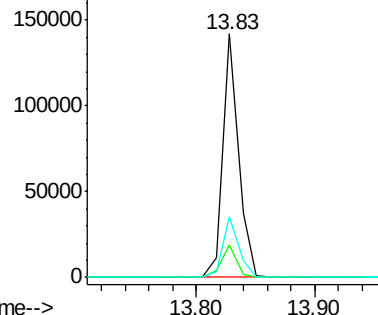
236 25.0 20.2 30.2



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: 5.43 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

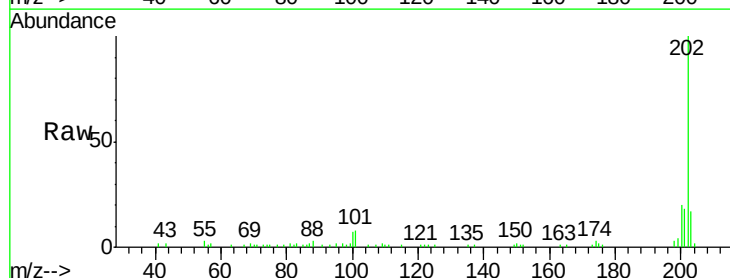
Tgt Ion:202 Resp: 60961

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

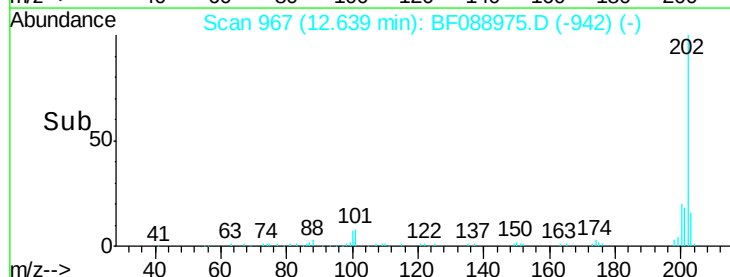
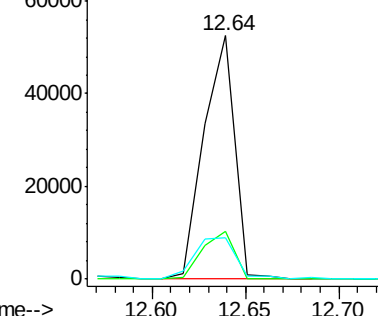
203 17.0 14.5 21.7

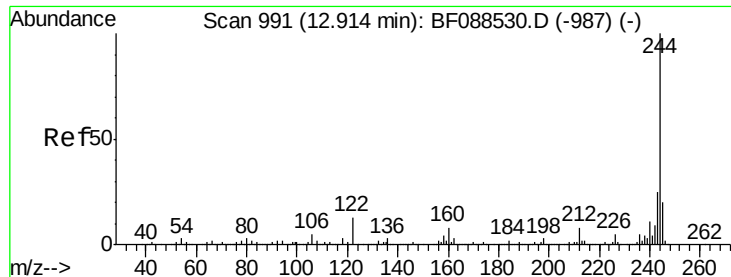


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

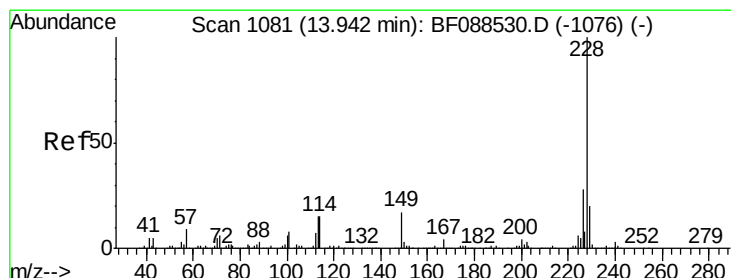
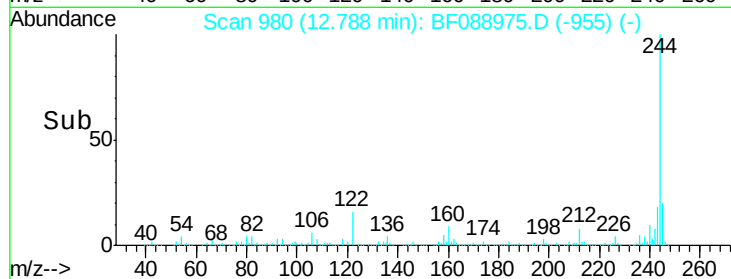
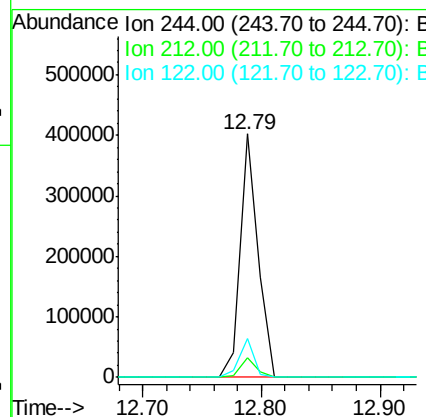
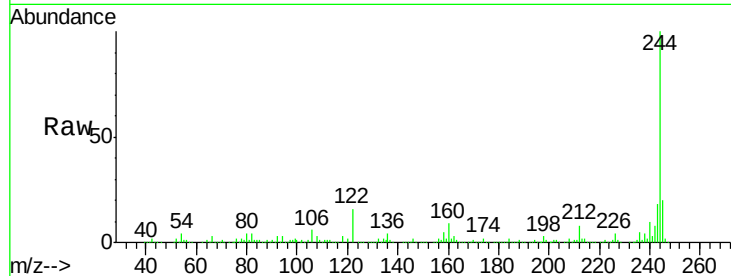




#78
 Terphenyl-d14
 Concen: 70.49 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

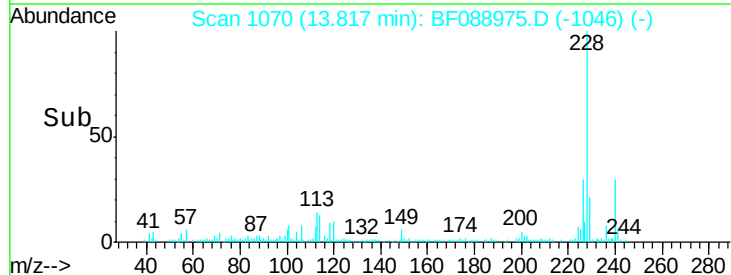
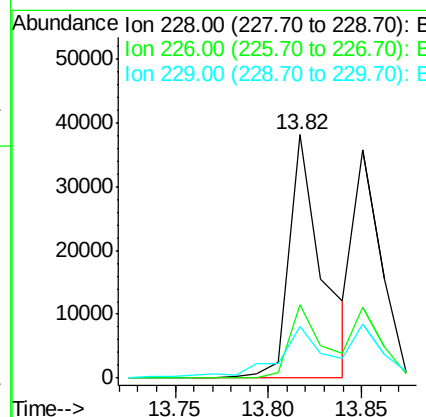
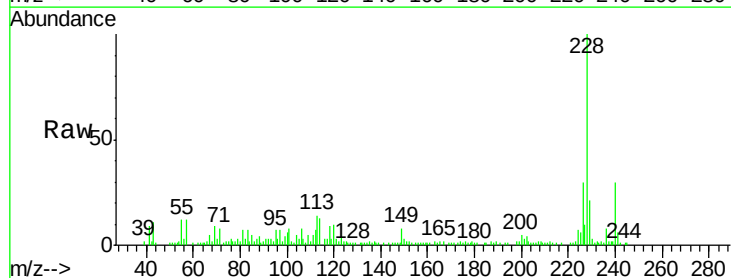
Instrument :
 BNA_F
 ClientSampled :
 M8-B3(0-5)C

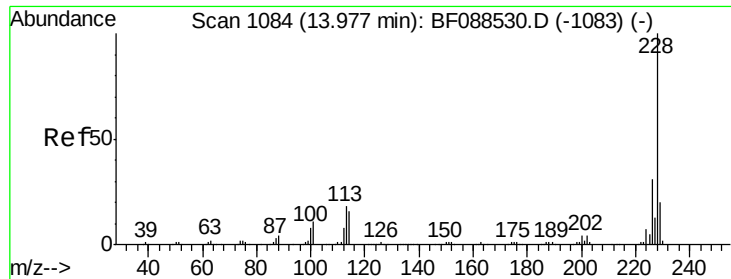
Tgt Ion:244 Resp: 419073
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 15.9 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 5.58 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

Tgt Ion:228 Resp: 47536
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.3 33.5
 229 21.1 16.0 24.0

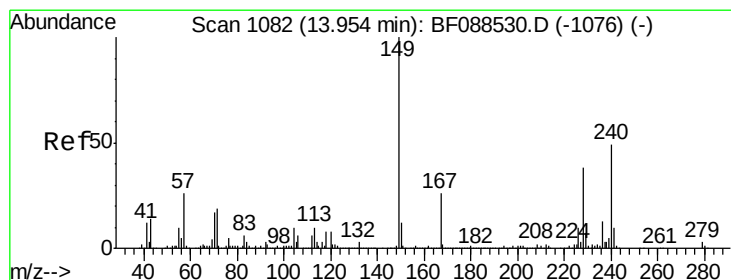
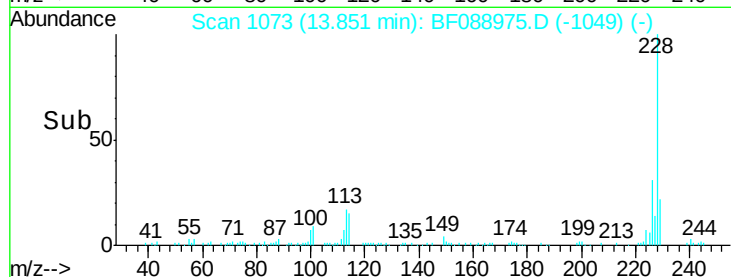
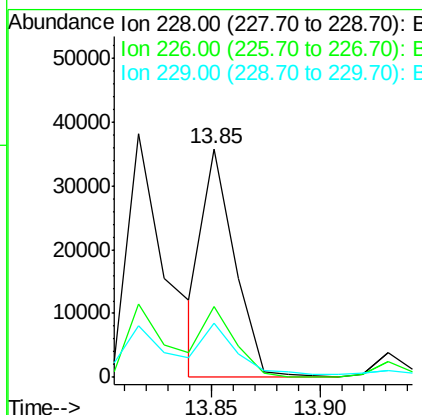
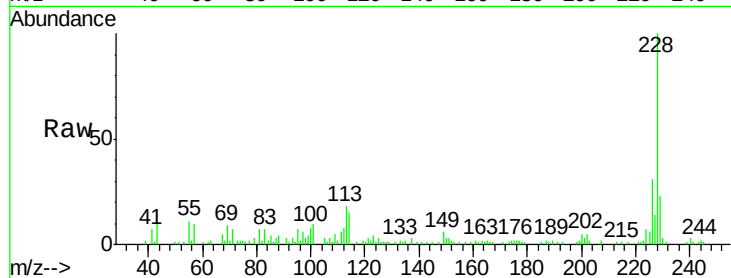




#82
Chrysene
 Concen: 4.32 ng
 RT: 13.85 min Scan# 1073
 Delta R.T. -0.02 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

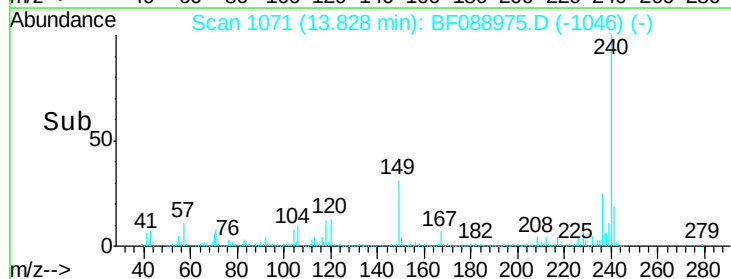
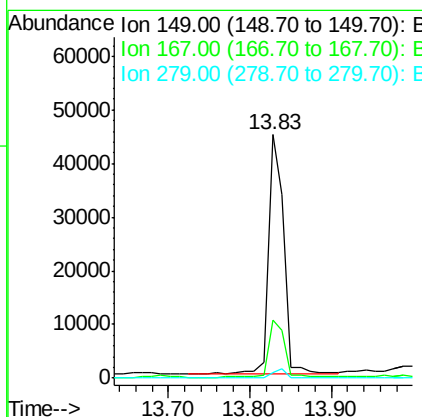
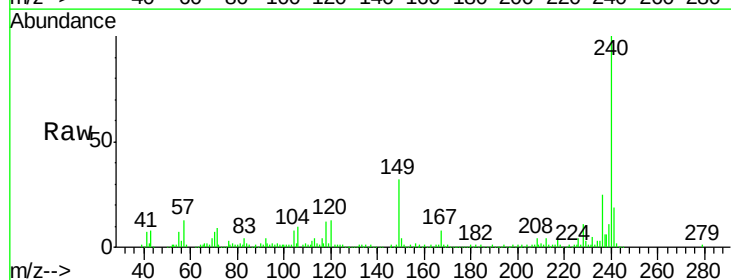
Instrument :
 BNA_F
 ClientSampleId :
 M8-B3(0-5)C

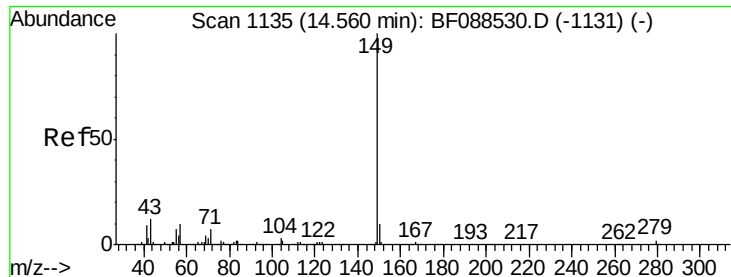
Tgt Ion: 228 Resp: 36423
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.4 38.2
 229 23.5 16.3 24.5



#83
Bis(2-ethylhexyl)phthalate
 Concen: 10.27 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BF088975.D
 Acq: 13 Jul 2016 23:36

Tgt Ion: 149 Resp: 58734
 Ion Ratio Lower Upper
 149 100
 167 23.9 20.5 30.7
 279 2.2 2.0 3.0





#84

Di-n-octyl phthalate

Concen: 16.11 ng

RT: 14.48 min Scan# 1128

Delta R.T. 0.02 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

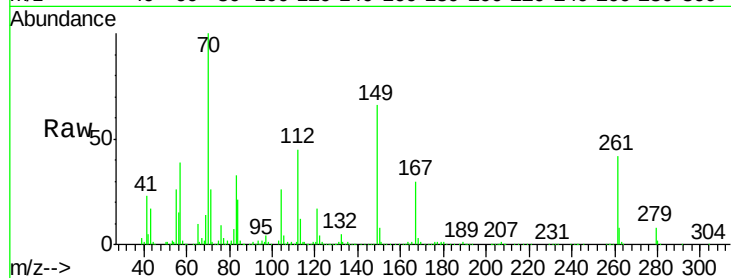
Tgt Ion:149 Resp: 156468

Ion Ratio Lower Upper

149 100

167 45.4 0.0 0.0#

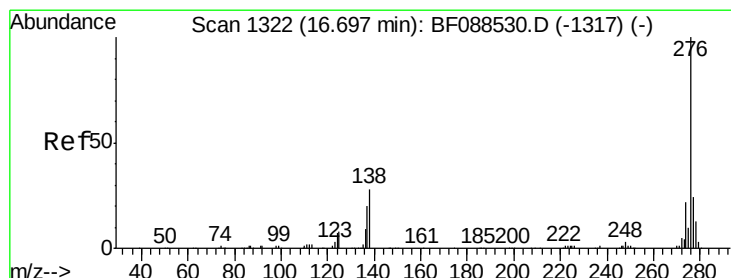
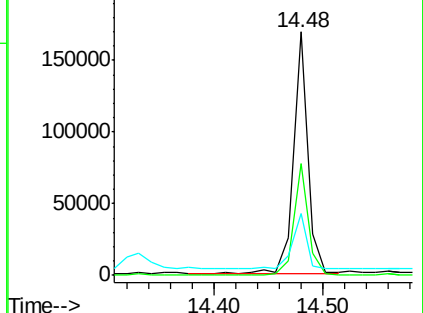
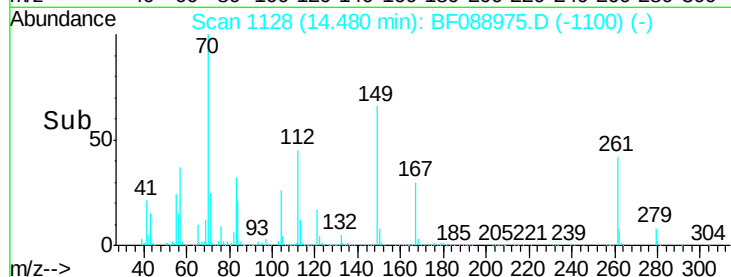
43 23.6 0.0 0.0#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.94 ng

RT: 16.48 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

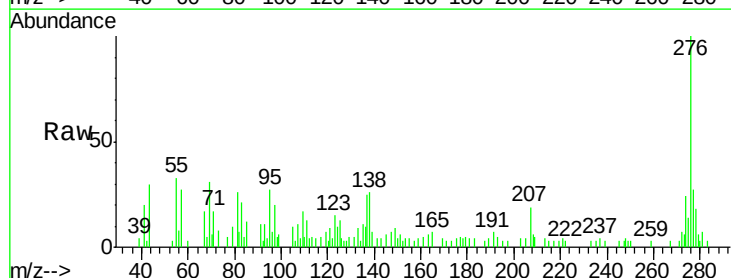
Tgt Ion:276 Resp: 19048

Ion Ratio Lower Upper

276 100

138 22.9 0.0 0.0#

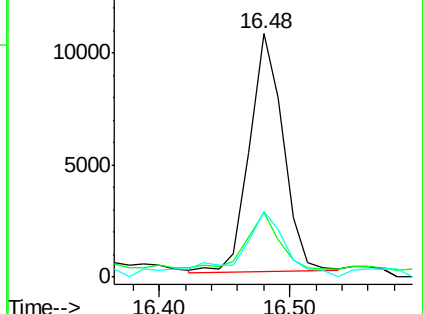
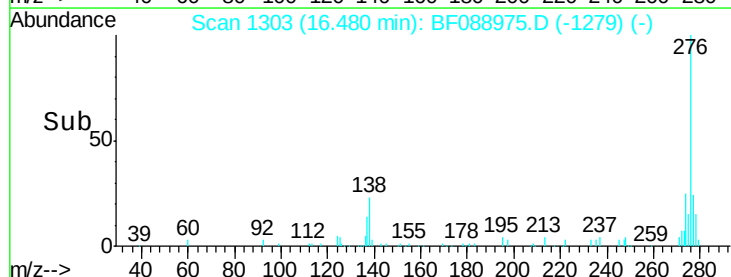
277 40.1 0.0 0.0#

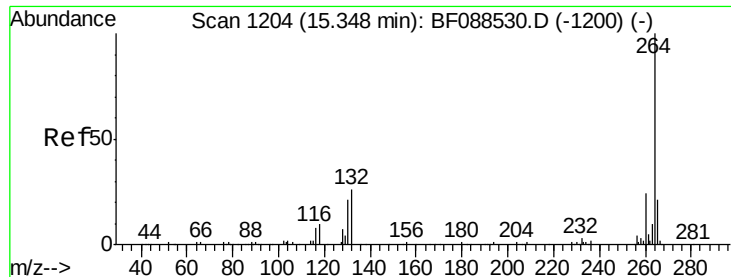


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

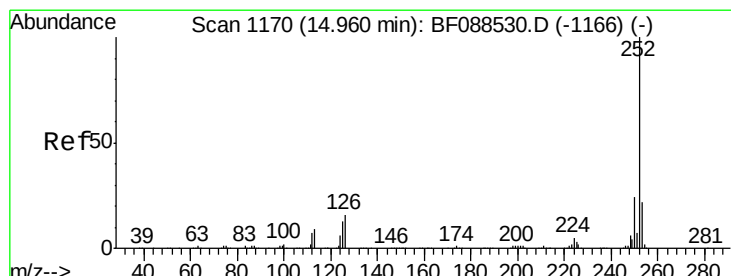
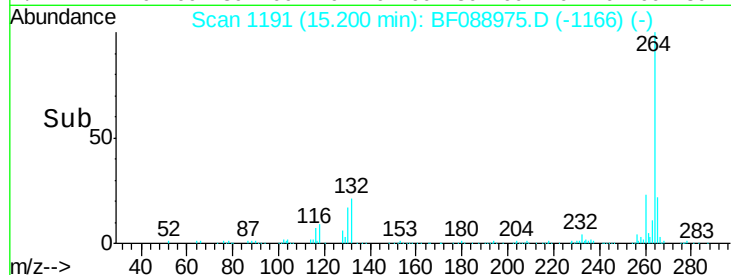
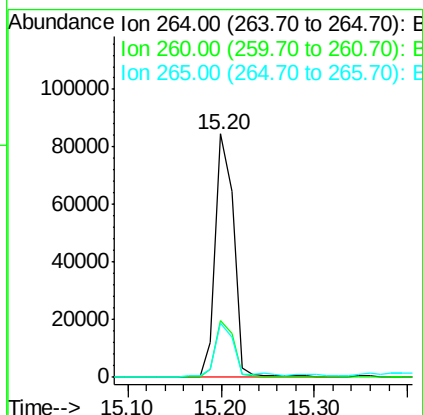
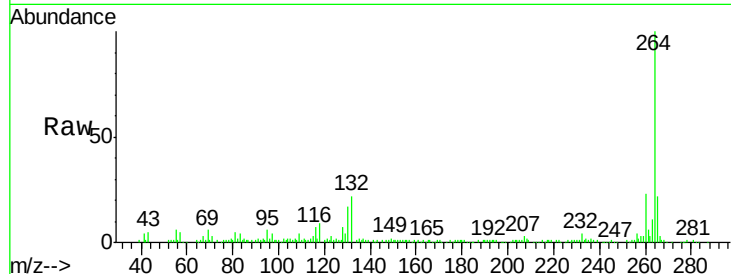




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088975.D
Acq: 13 Jul 2016 23:36

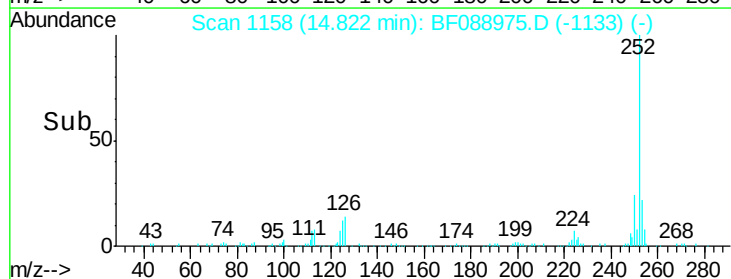
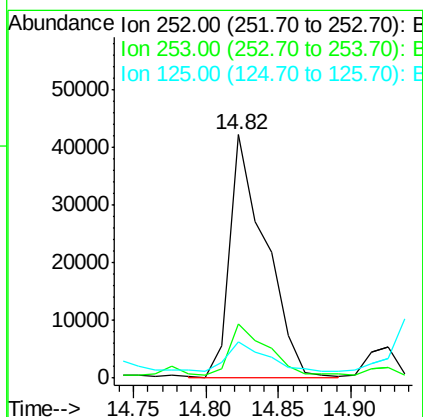
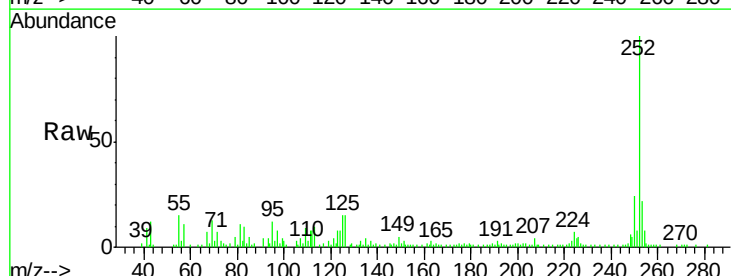
Instrument :
BNA_F
ClientSampleId :
M8-B3(0-5)C

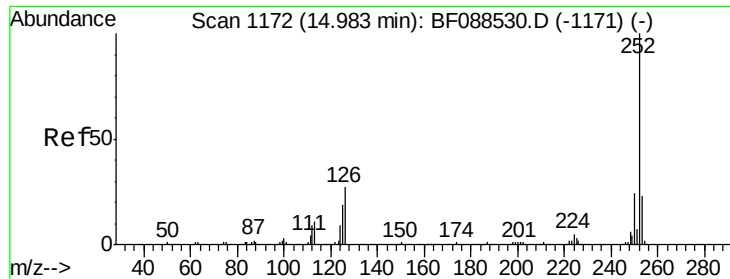
Tgt Ion:264 Resp: 115772
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.0 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 10.04 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088975.D
Acq: 13 Jul 2016 23:36

Tgt Ion:252 Resp: 72928
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 14.7 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 11.17 ng

RT: 14.82 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C

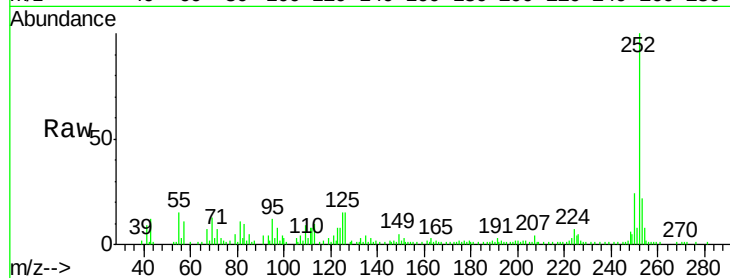
Tgt Ion:252 Resp: 70589

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

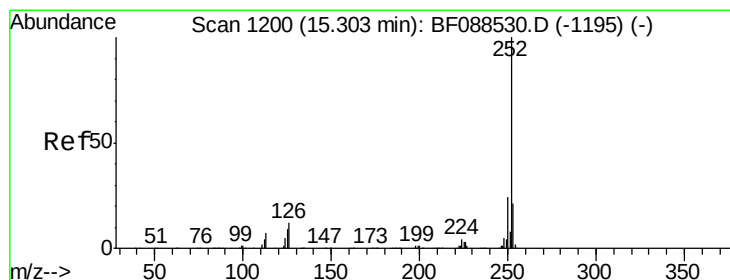
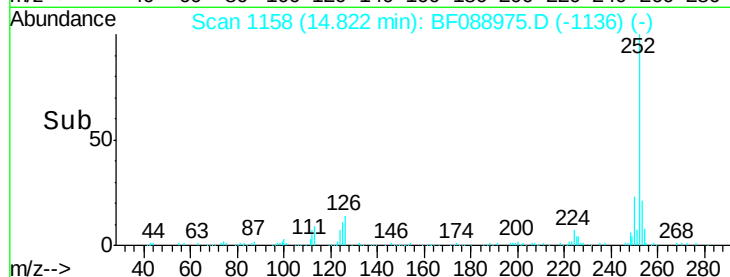
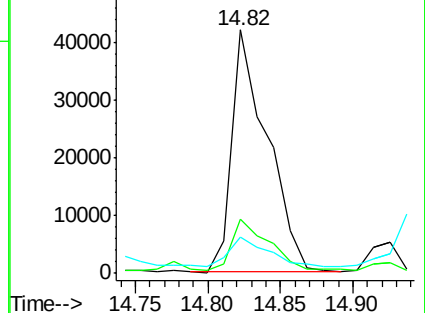
125 14.7 11.2 16.8



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: 4.84 ng

RT: 15.10 min Scan# 1182

Delta R.T. -0.07 min

Lab File: BF088975.D

Acq: 13 Jul 2016 23:36

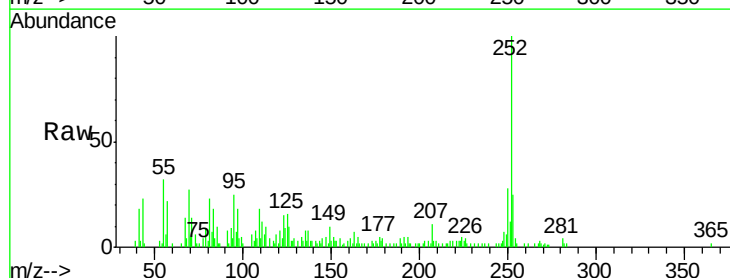
Tgt Ion:252 Resp: 29762

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

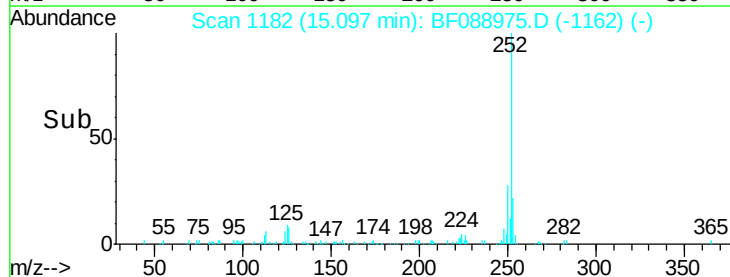
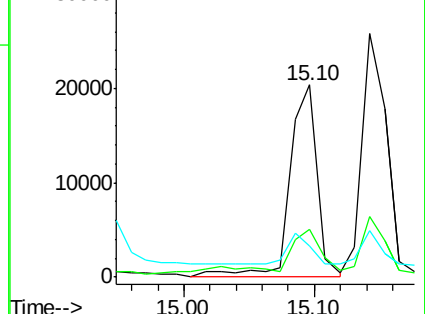
125 16.3 12.5 18.7

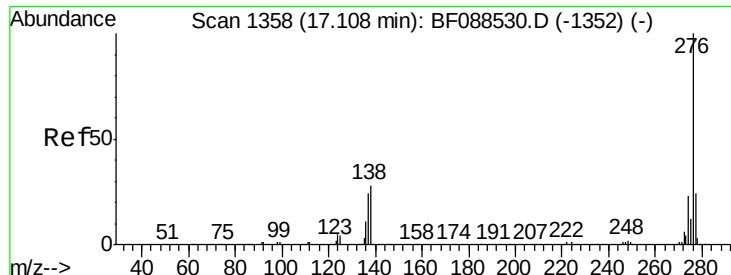


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.80 ng

RT: 16.87 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF088975.D

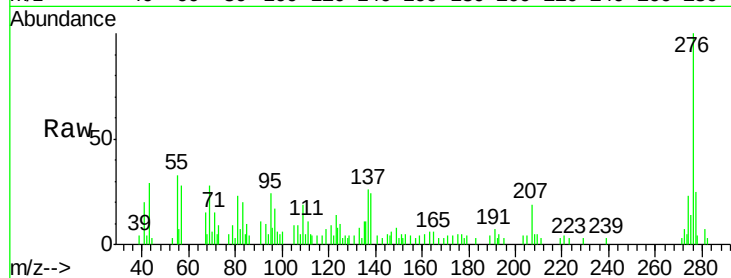
Acq: 13 Jul 2016 23:36

Instrument :

BNA_F

ClientSampleId :

M8-B3(0-5)C



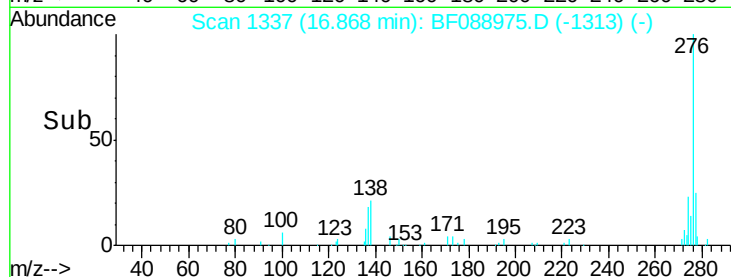
Tgt Ion: 276 Resp: 20168

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 24.3 21.4 32.2



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

