

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088905.D
 Acq On : 11 Jul 2016 17:58
 Operator : UM/SJ
 Sample : H3915-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P7-B2-0-5-C

Quant Time: Jul 12 02:03:33 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

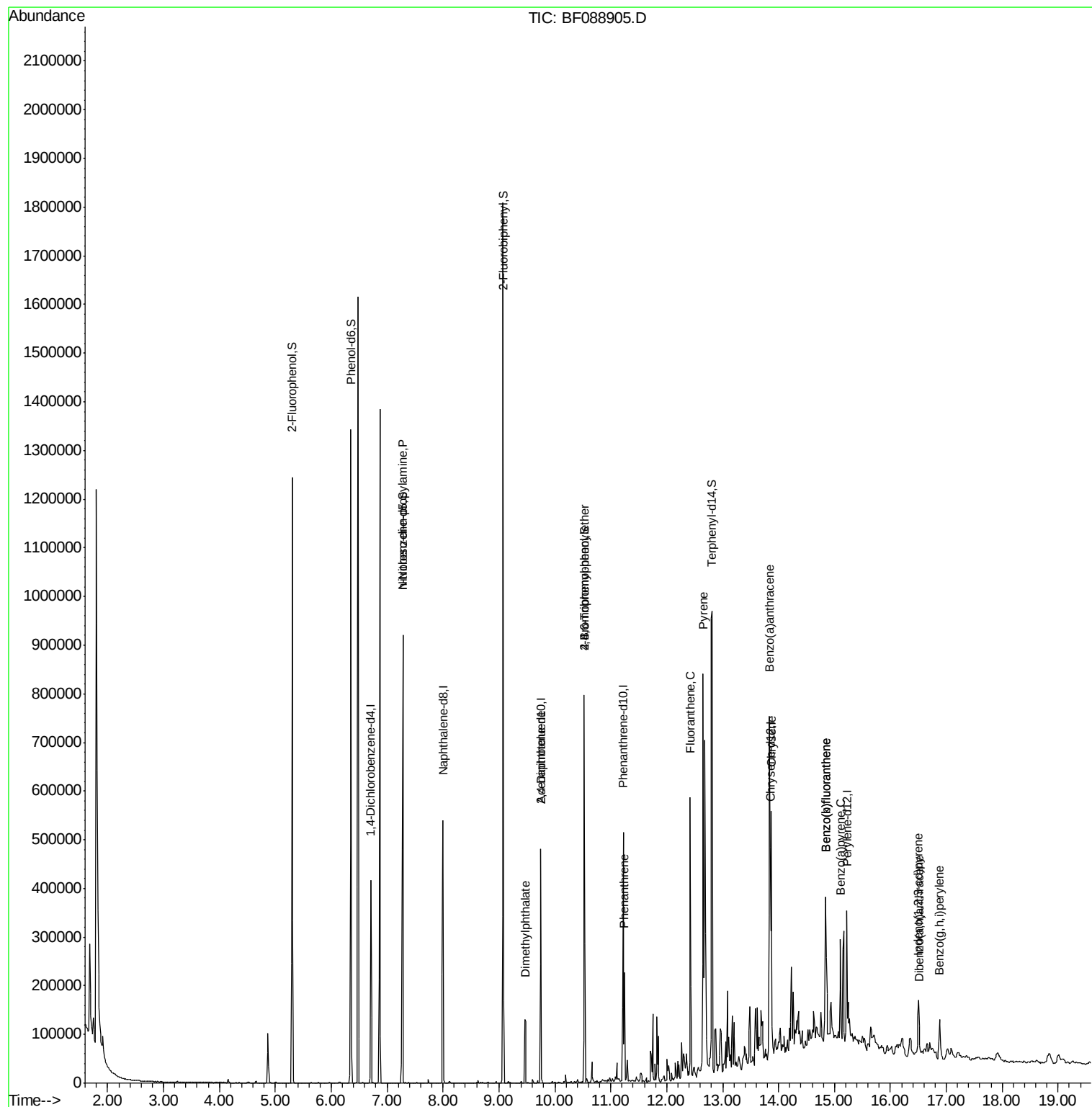
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	63154	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	268294	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	109096	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	186326	20.00	ng	0.00
75) Chrysene-d12	13.85	240	140621	20.00	ng	0.00
86) Perylene-d12	15.22	264	131157	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	371875	88.25	ng	0.01
7) Phenol-d6	6.35	99	478837	87.94	ng	0.00
23) Nitrobenzene-d5	7.28	82	358123	69.95	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	99869	98.58	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	525743	76.12	ng	0.00
78) Terphenyl-d14	12.81	244	428709	67.90	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	47393	12.96	ng	# 68
49) Dimethylphthalate	9.47	163	82926	10.67	ng	98
56) 2,4-Dinitrotoluene	9.75	165	13634	6.05	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	6230	3.32	ng	# 1
70) Phenanthrene	11.24	178	87736	8.61	ng	97
74) Fluoranthene	12.42	202	223019	21.60	ng	97
77) Pyrene	12.65	202	305076	25.59	ng	99
80) Benzo(a)anthracene	13.84	228	204760	22.61	ng	100
82) Chrysene	13.87	228	199327	22.25	ng	99
85) Indeno(1,2,3-cd)pyrene	16.50	276	59849	8.68	ng	# 100
87) Benzo(b)fluoranthene	14.85	252	212038	25.77	ng	# 96
88) Benzo(k)fluoranthene	14.85	252	211664	29.55	ng	98
89) Benzo(a)pyrene	15.11	252	91292	13.11	ng	99
90) Dibenzo(a,h)anthracene	16.51	278	18757	3.22	ng	98
91) Benzo(g,h,i)perylene	16.88	276	61278	10.18	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

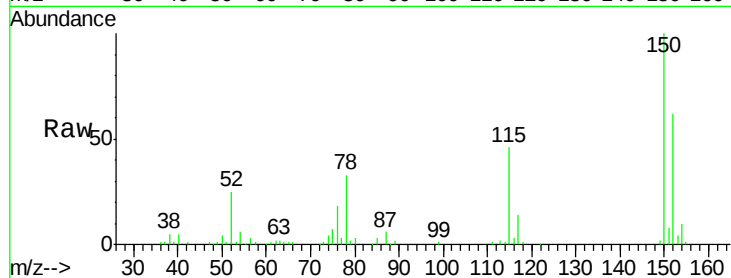
Tgt Ion:152 Resp: 63154

Ion Ratio Lower Upper

152 100

150 160.5 123.8 185.6

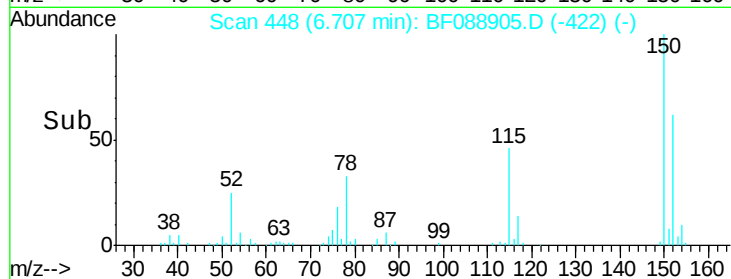
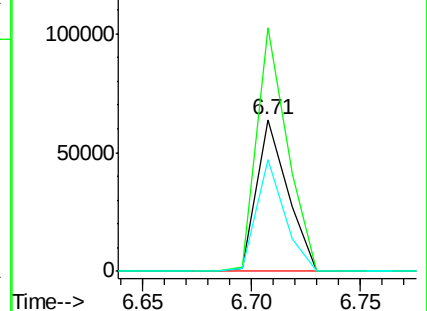
115 73.8 39.6 59.4#



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: 88.25 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

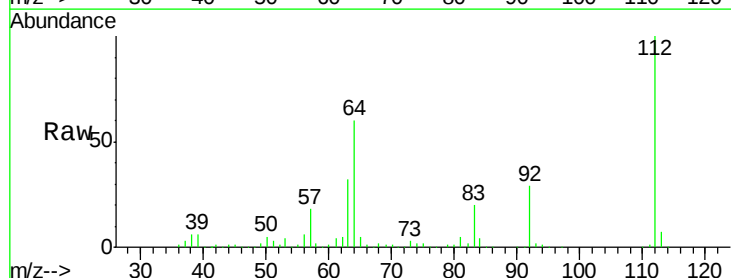
Tgt Ion:112 Resp: 371875

Ion Ratio Lower Upper

112 100

64 60.3 42.2 63.2

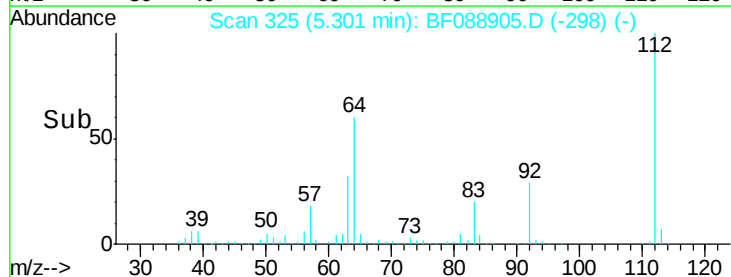
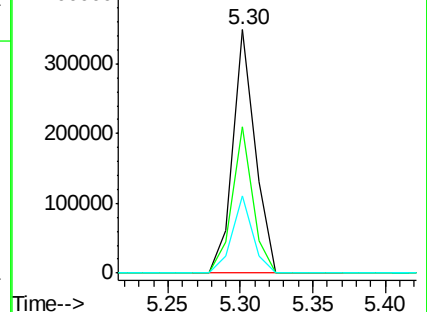
63 31.9 21.8 32.8



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: 87.94 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

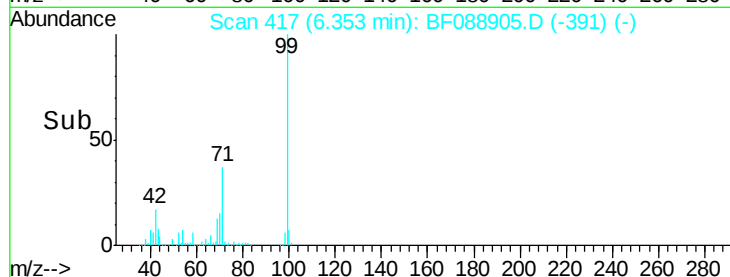
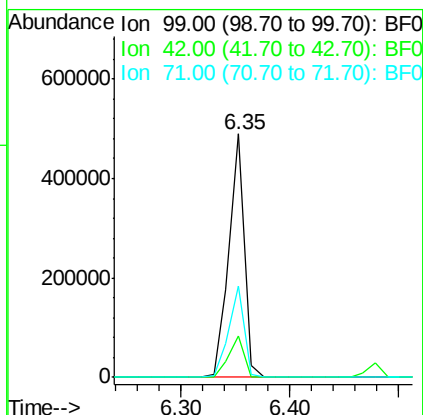
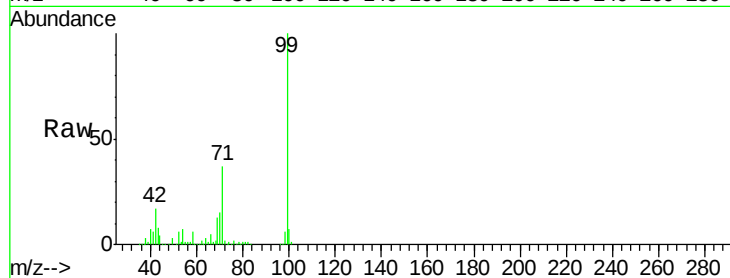
Tgt Ion: 99 Resp: 478837

Ion Ratio Lower Upper

99 100

42 17.1 12.2 18.2

71 37.3 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 12.96 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Tgt Ion: 70 Resp: 47393

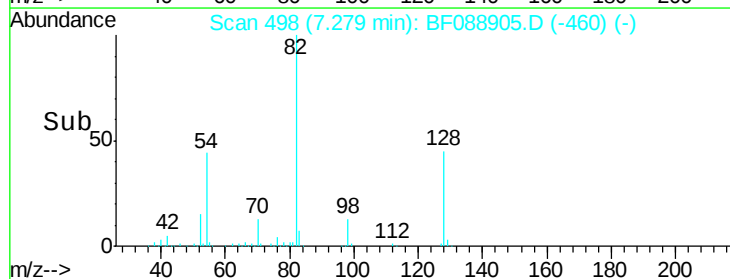
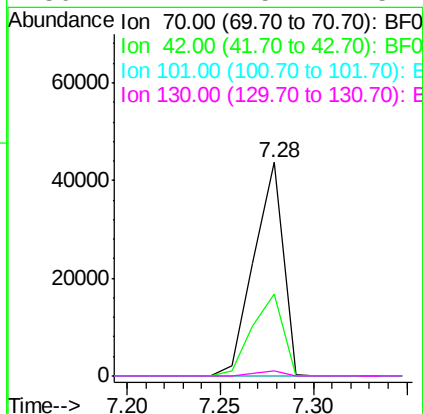
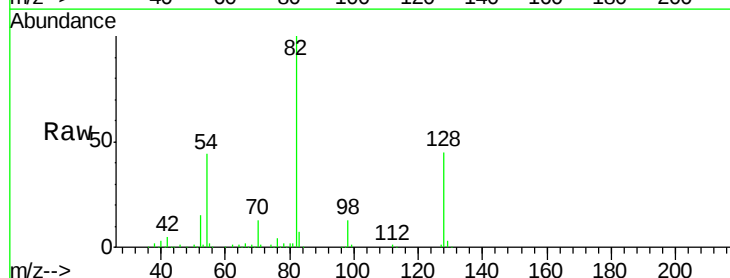
Ion Ratio Lower Upper

70 100

42 38.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

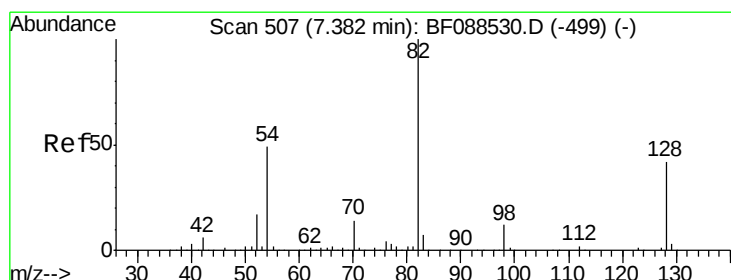
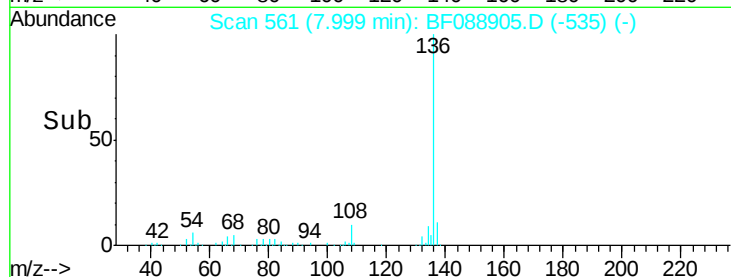
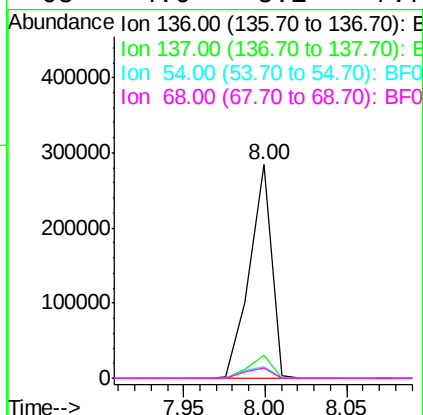
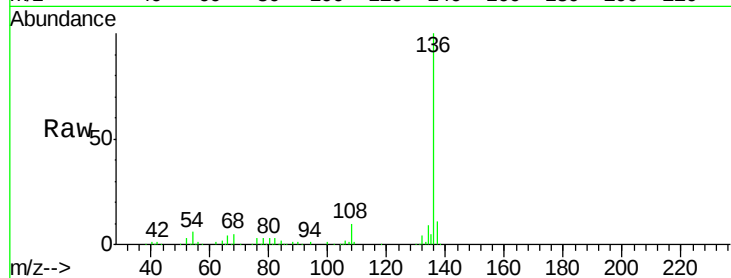
Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

Tgt Ion:	136	Resp:	268294
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.7	6.6	10.0#
68	4.6	5.1	7.7#



#23

Nitrobenzene-d5

Concen: 69.95 ng

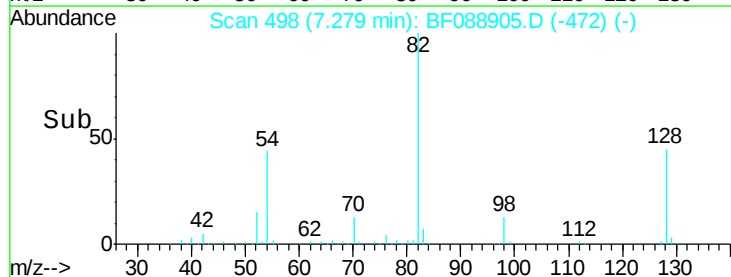
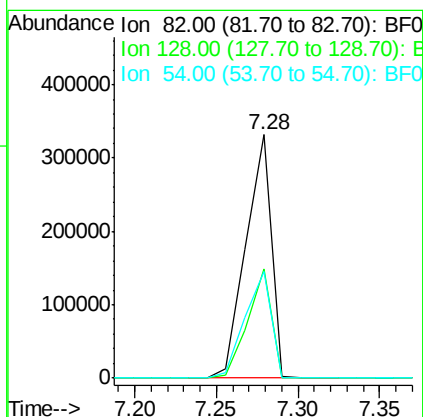
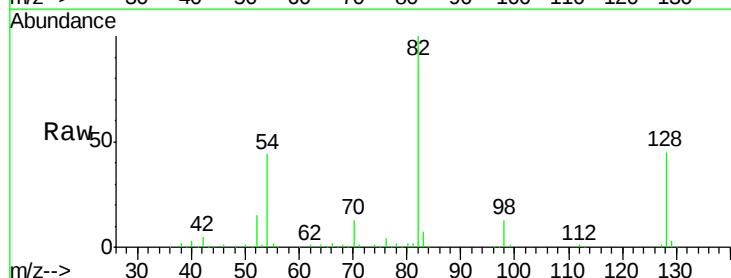
RT: 7.28 min Scan# 498

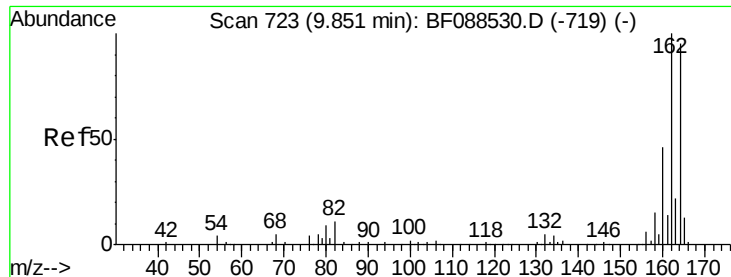
Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Tgt Ion:	82	Resp:	358123
Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.9	53.9
54	43.8	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

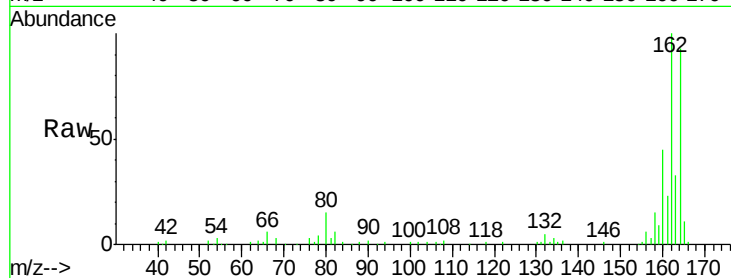
Tgt Ion:164 Resp: 109096

Ion Ratio Lower Upper

164 100

162 108.0 85.4 128.2

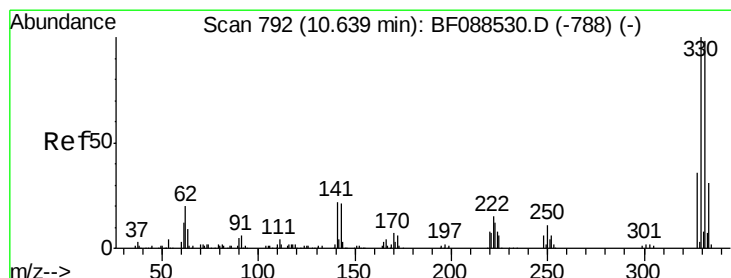
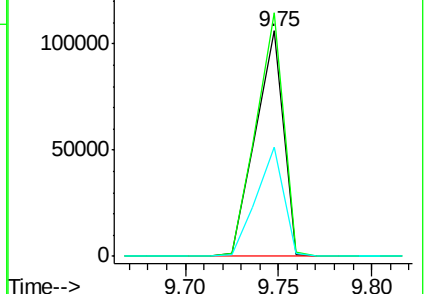
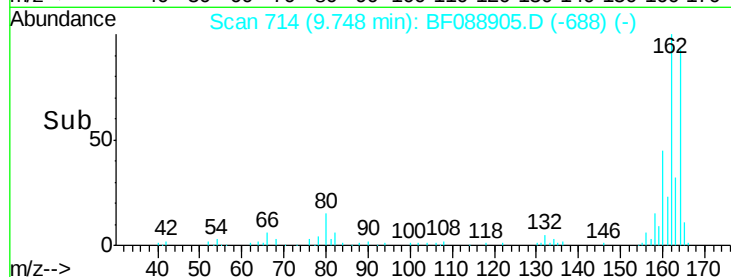
160 48.6 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 98.58 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

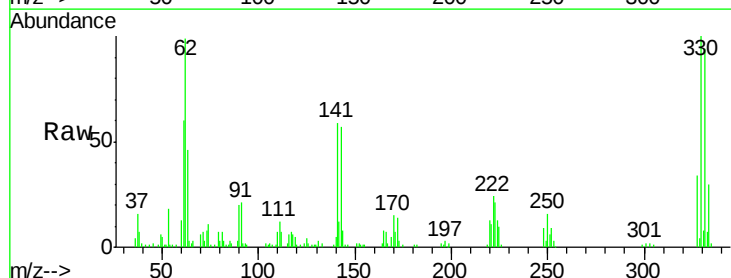
Tgt Ion:330 Resp: 99869

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

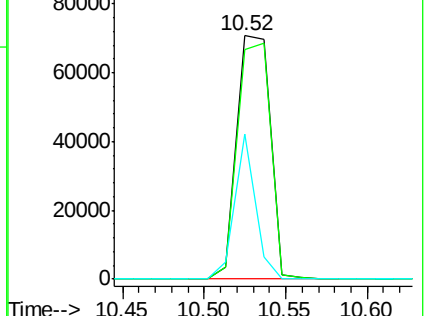
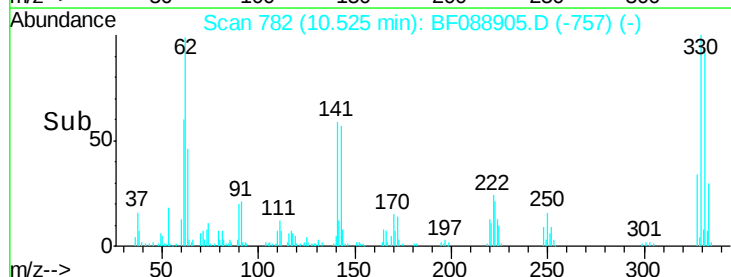
141 36.9 0.0 0.0#



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

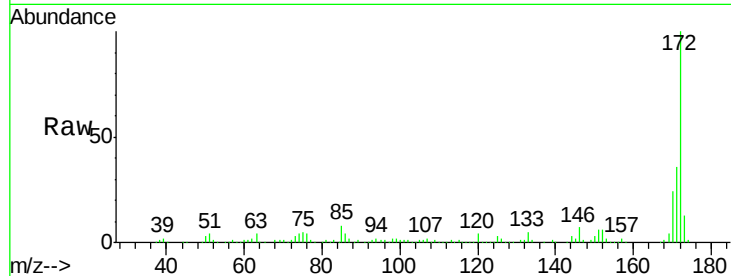




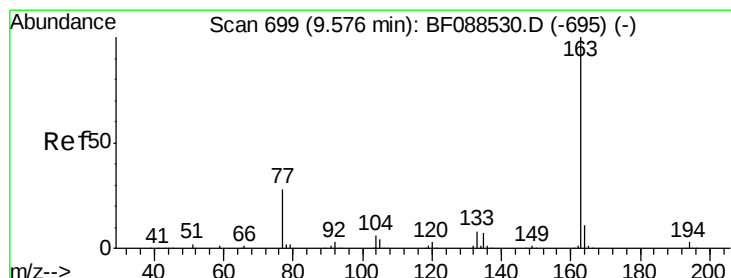
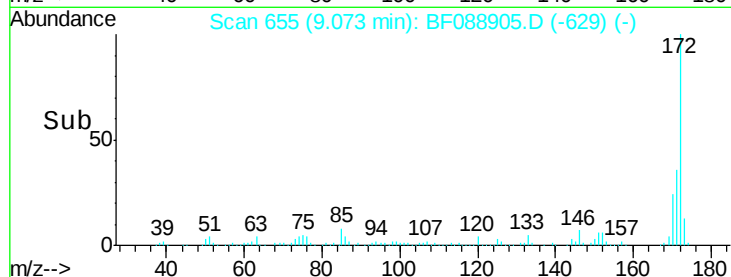
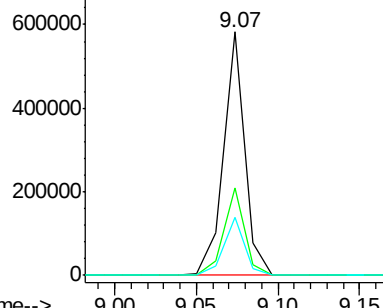
#44
2-Fluorobiphenyl
Concen: 76.12 ng
RT: 9.07 min Scan# 655
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

Tgt Ion:172 Resp: 525743
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.2 28.8

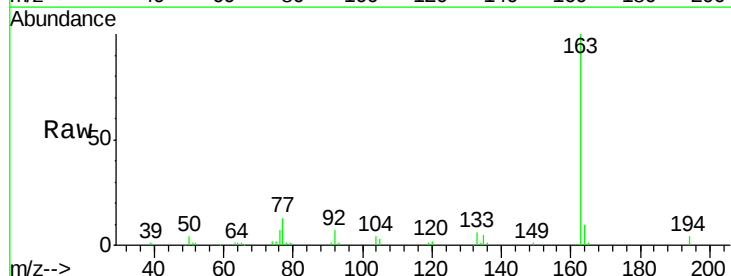


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

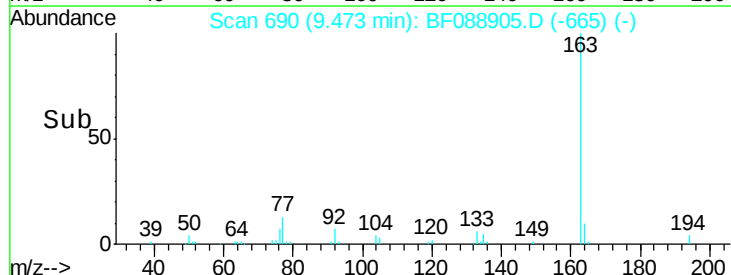
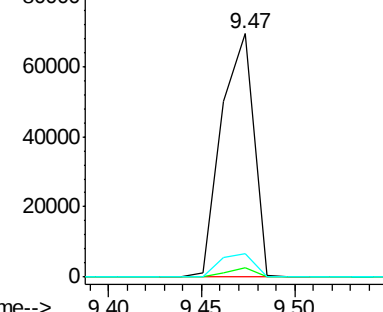


#49
Dimethylphthalate
Concen: 10.67 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion:163 Resp: 82926
Ion Ratio Lower Upper
163 100
194 3.9 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

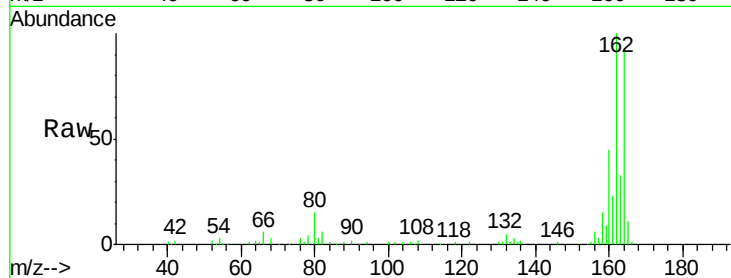




#56
 2,4-Dinitrotoluene
 Concen: 6.05 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.19 min
 Lab File: BF088905.D
 Acq: 11 Jul 2016 17:58

Instrument :
 BNA_F
 ClientSampleId :
 P7-B2-0-5-C

Tgt Ion:	165	Resp:	13634
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#

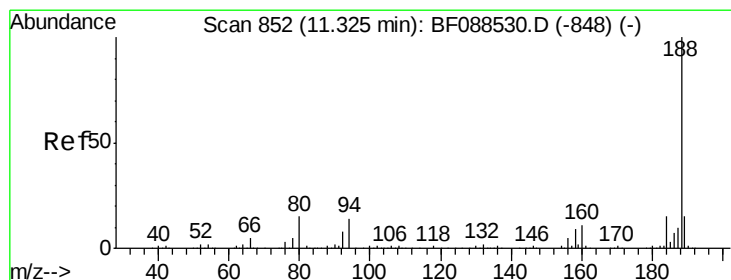
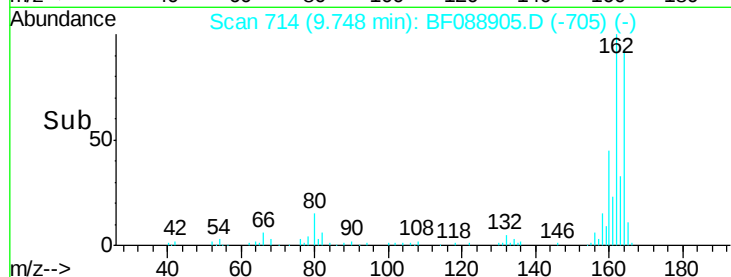
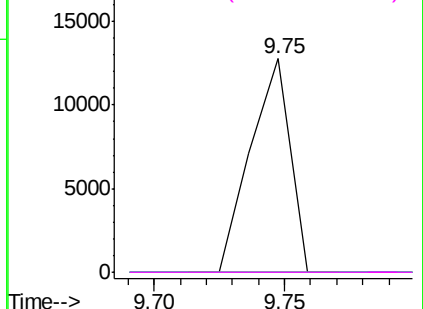


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

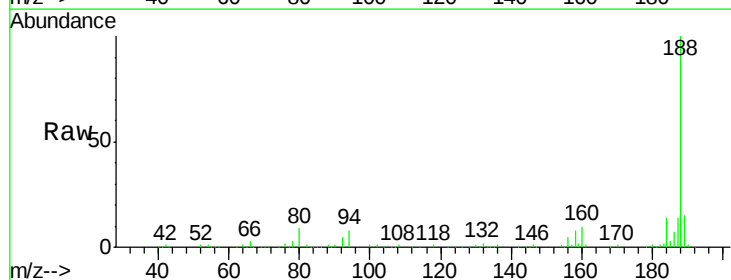
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF088905.D
 Acq: 11 Jul 2016 17:58

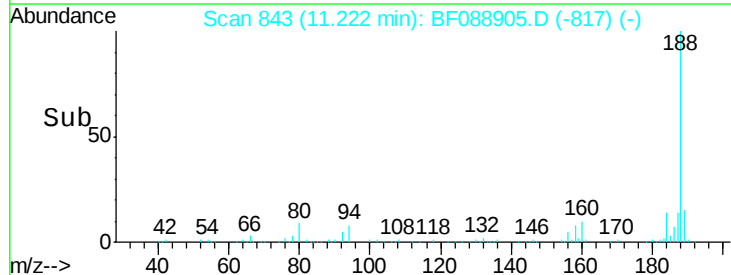
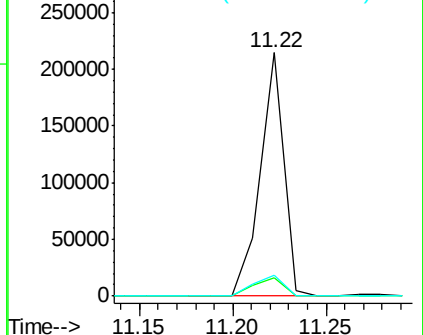
Tgt Ion:	188	Resp:	186326
Ion Ratio	Lower	Upper	
188	100		
94	7.8	9.0	13.6#
80	8.6	10.0	15.0#

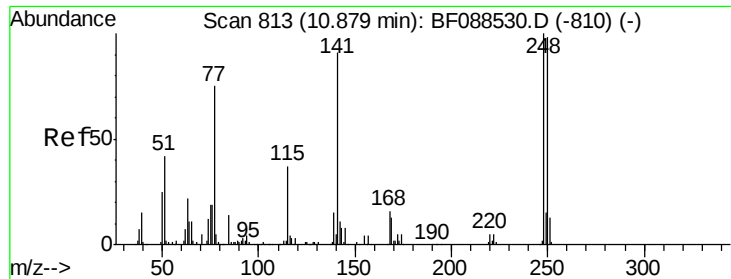


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

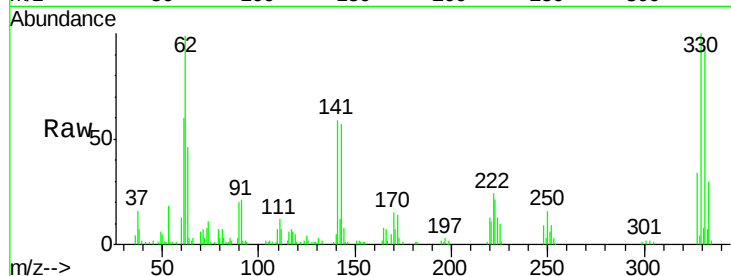




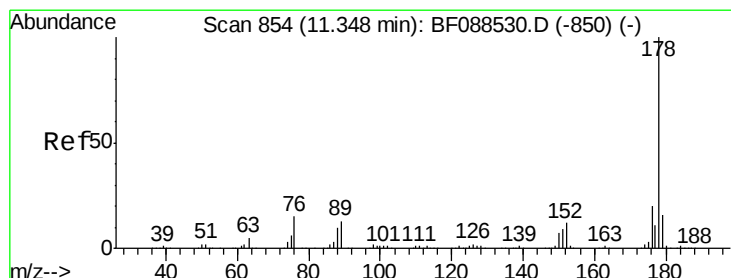
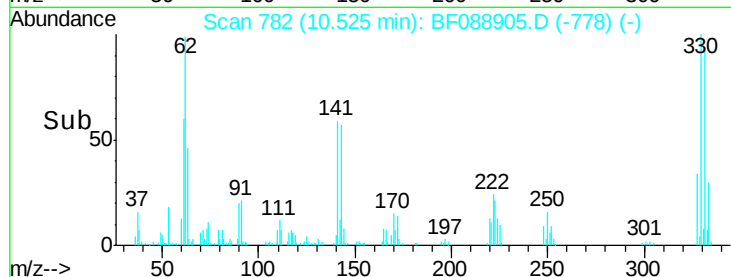
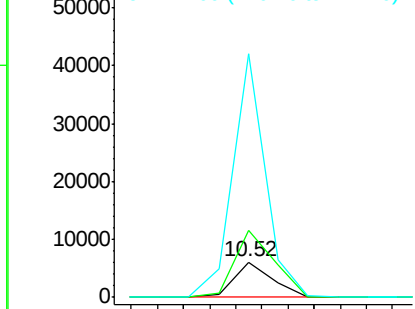
#66
4-Bromophenyl-phenylether
Concen: 3.32 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.25 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

Tgt Ion:248 Resp: 6230
Ion Ratio Lower Upper
248 100
250 190.4 77.1 115.7#
141 690.3 50.6 76.0#

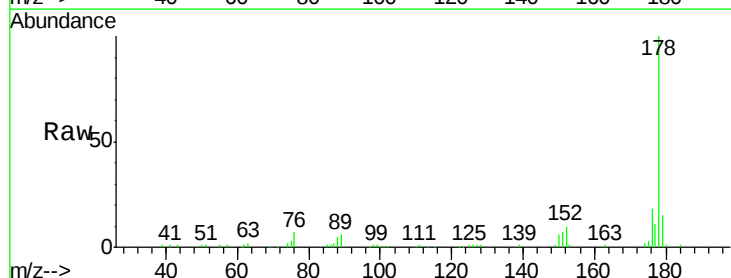


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

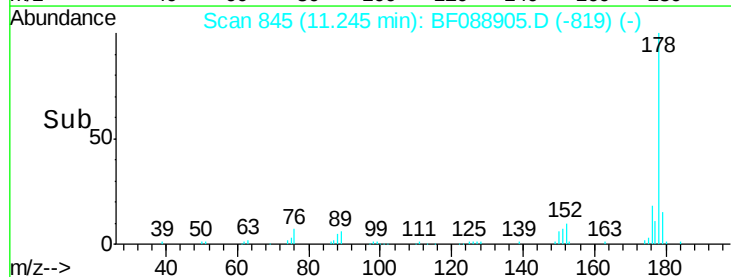
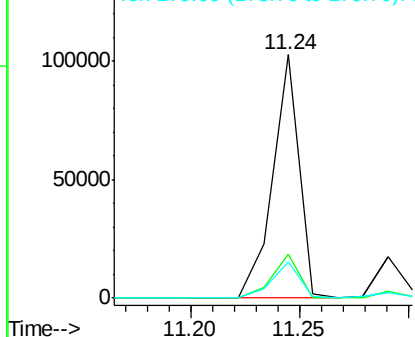


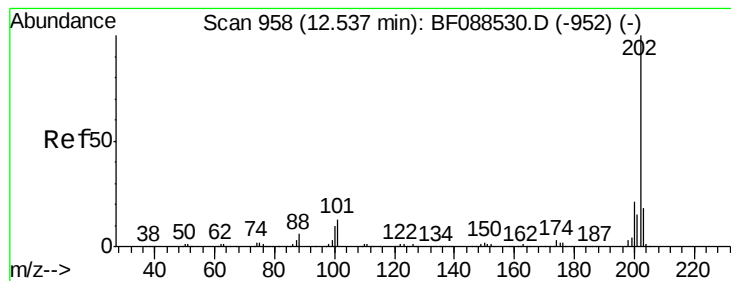
#70
Phenanthrene
Concen: 8.61 ng
RT: 11.24 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion:178 Resp: 87736
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.0 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: 21.60 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

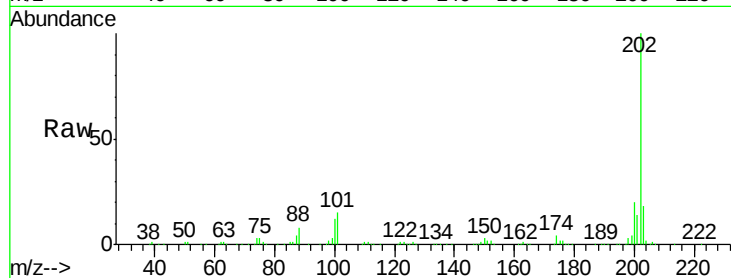
Tgt Ion: 202 Resp: 223019

Ion Ratio Lower Upper

202 100

101 15.1 0.0 33.1

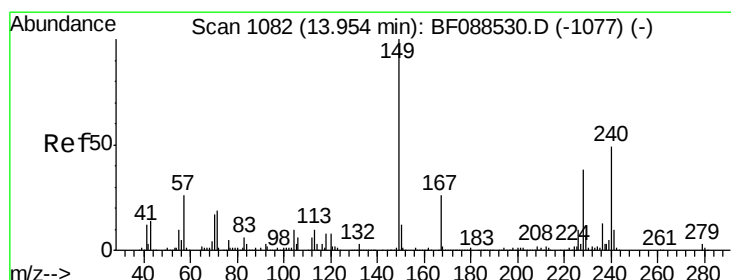
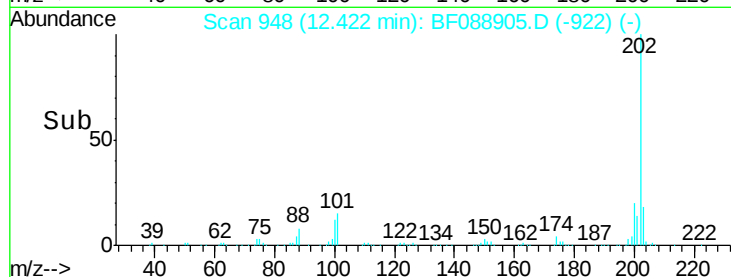
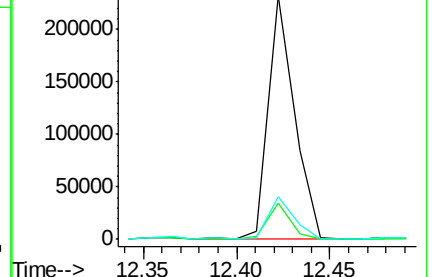
203 17.6 0.0 38.1



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: 13.85 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

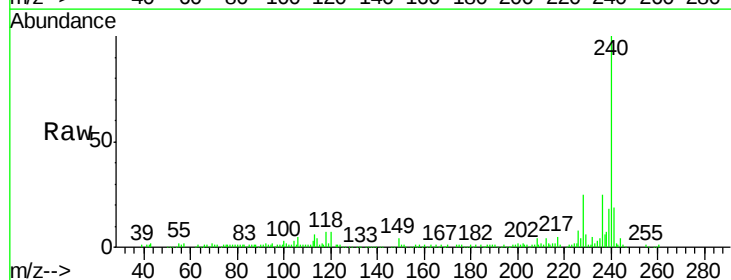
Tgt Ion: 240 Resp: 140621

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

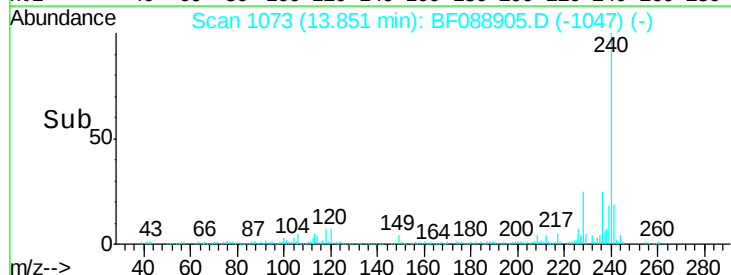
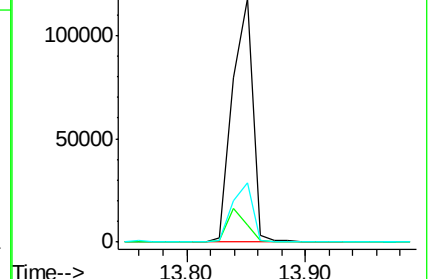
236 24.6 20.2 30.2

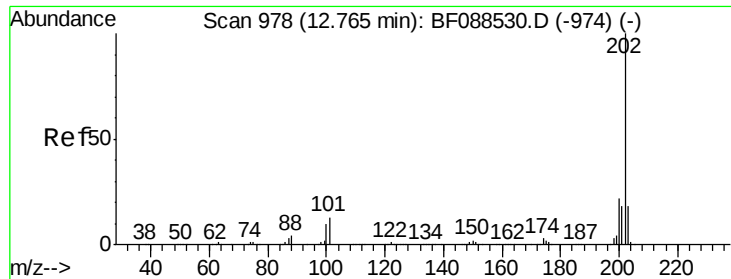


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 25.59 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

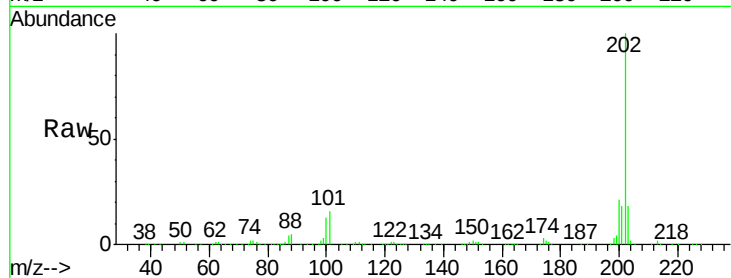
Tgt Ion:202 Resp: 305076

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

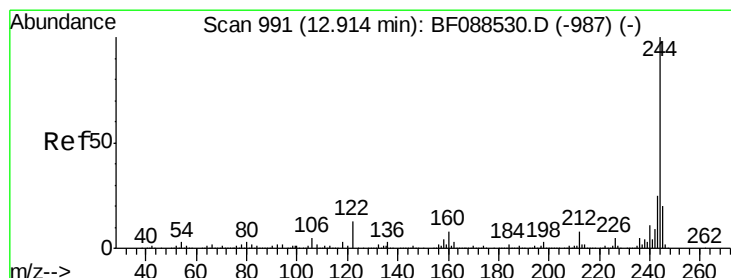
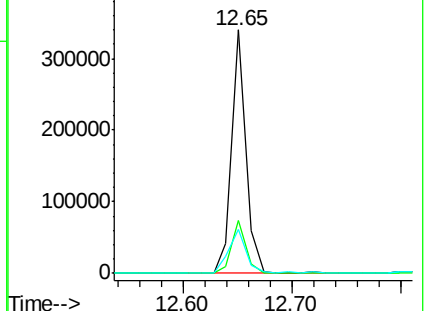
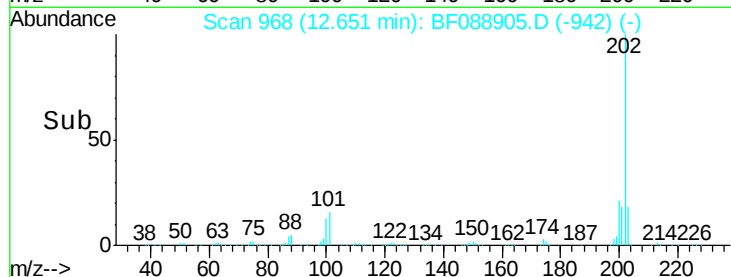
203 18.0 14.5 21.7



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: 67.90 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.01 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

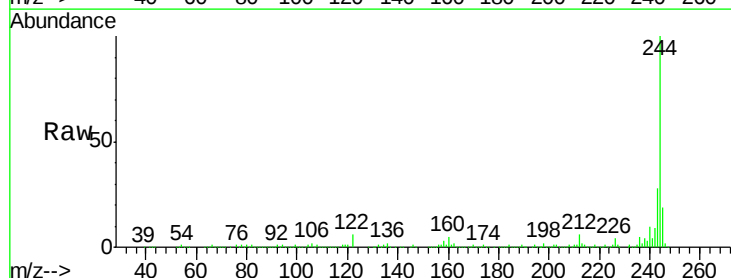
Tgt Ion:244 Resp: 428709

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

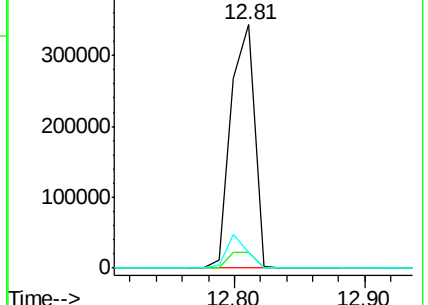
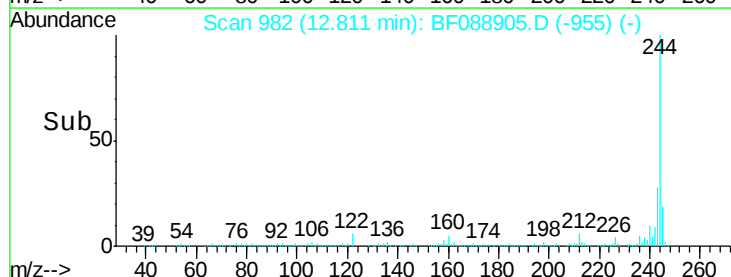
122 6.3 11.2 16.8#

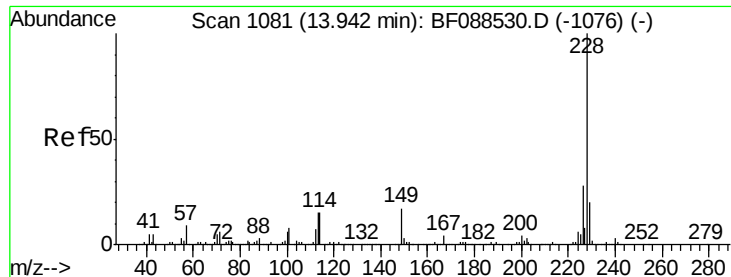


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 22.61 ng

RT: 13.84 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

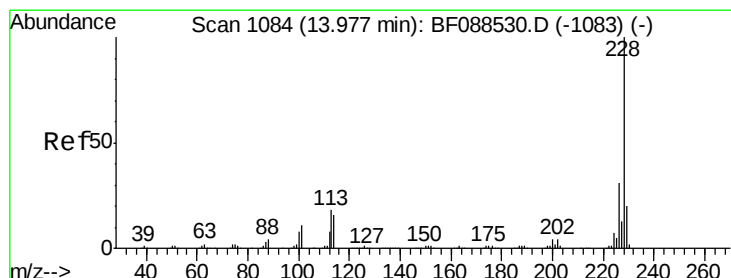
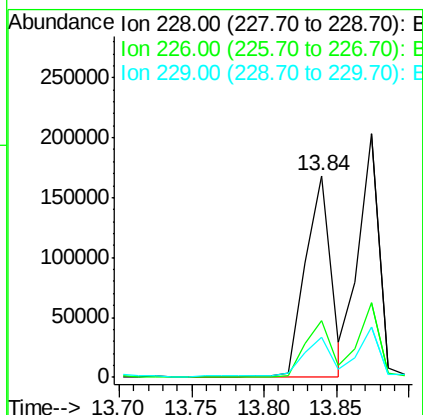
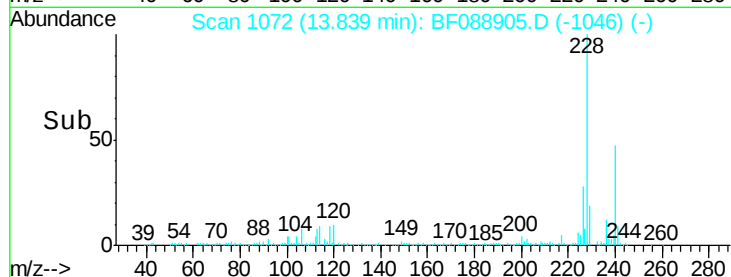
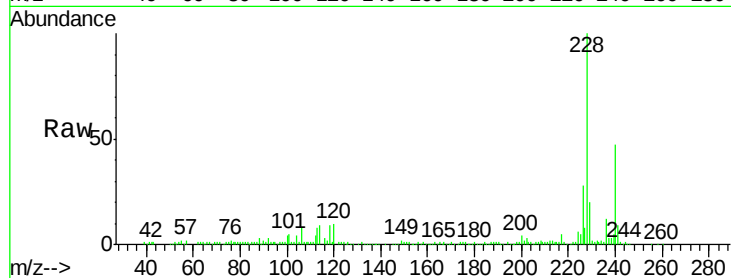
Tgt Ion:228 Resp: 204760

Ion Ratio Lower Upper

228 100

226 27.9 22.3 33.5

229 19.7 16.0 24.0



#82

Chrysene

Concen: 22.25 ng

RT: 13.87 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

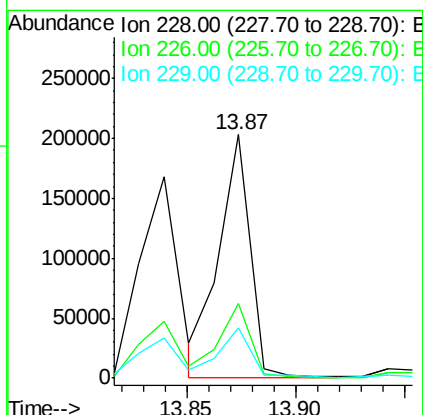
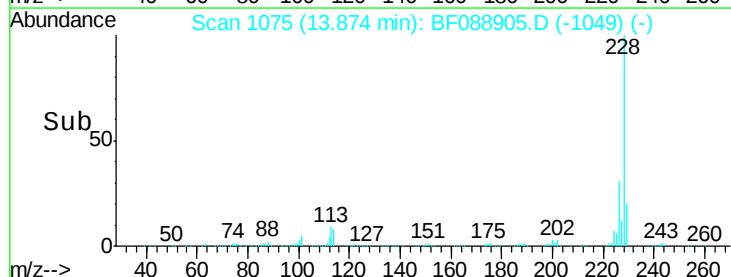
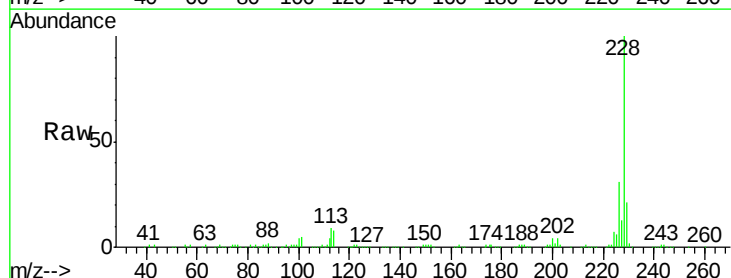
Tgt Ion:228 Resp: 199327

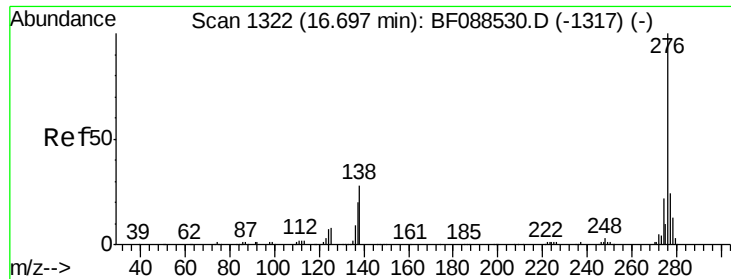
Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.2

229 20.5 16.3 24.5

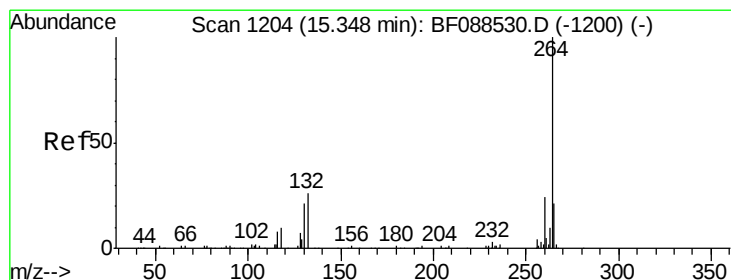
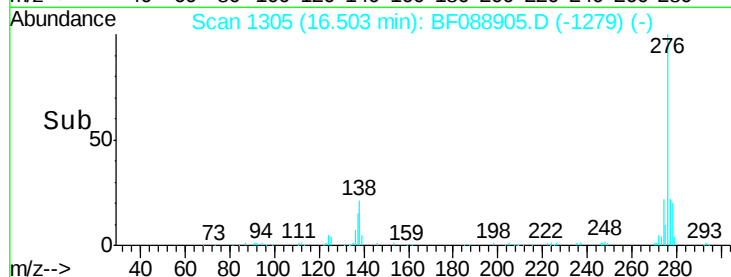
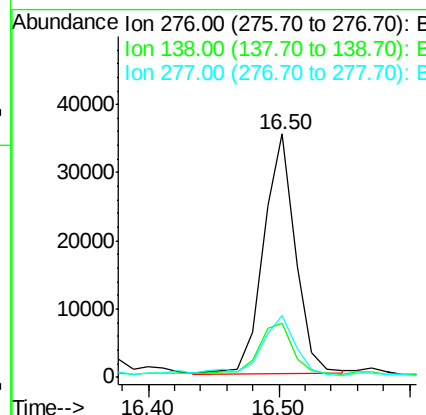
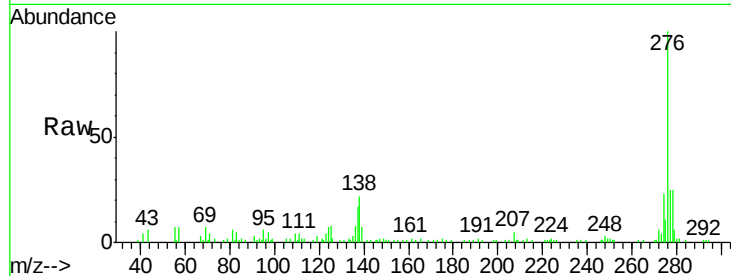




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.68 ng
 RT: 16.50 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF088905.D
 Acq: 11 Jul 2016 17:58

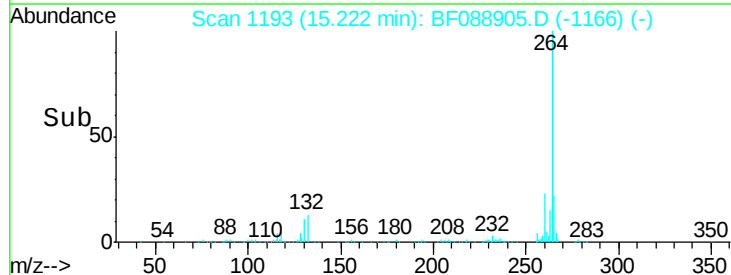
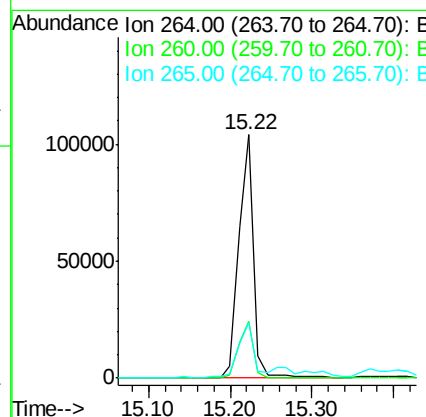
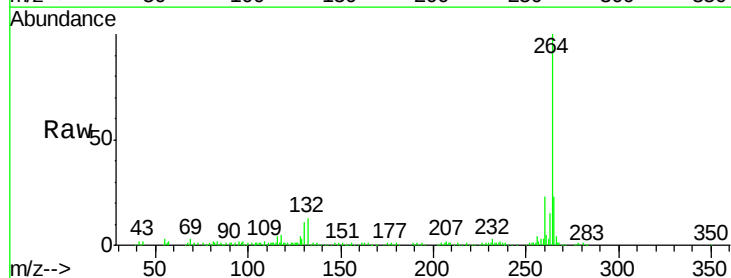
Instrument :
 BNA_F
 ClientSampleId :
 P7-B2-0-5-C

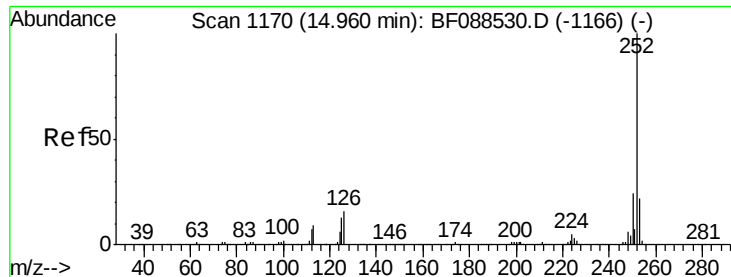
Tgt Ion: 276 Resp: 59849
 Ion Ratio Lower Upper
 276 100
 138 26.0 0.0 0.0#
 277 31.0 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF088905.D
 Acq: 11 Jul 2016 17:58

Tgt Ion: 264 Resp: 131157
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.5 16.9 25.3

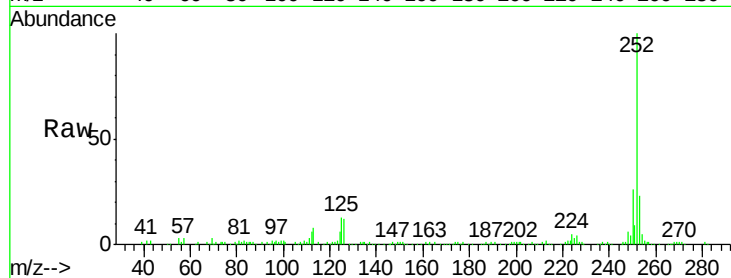




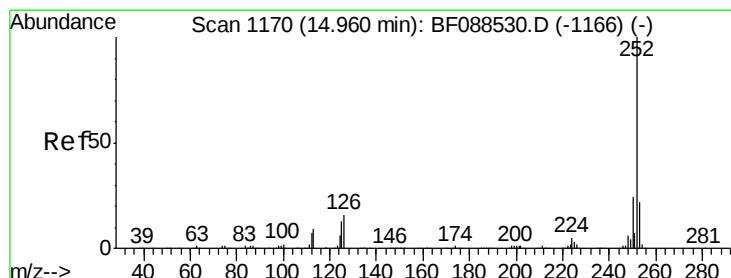
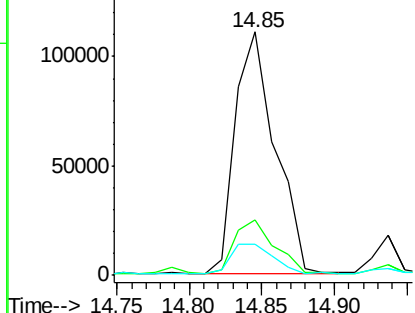
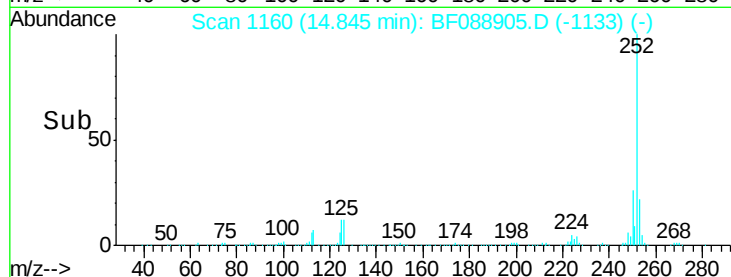
#87
Benzo(b)fluoranthene
Concen: 25.77 ng
RT: 14.85 min Scan# 1160
Delta R.T. 0.01 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.5	7.1	10.7

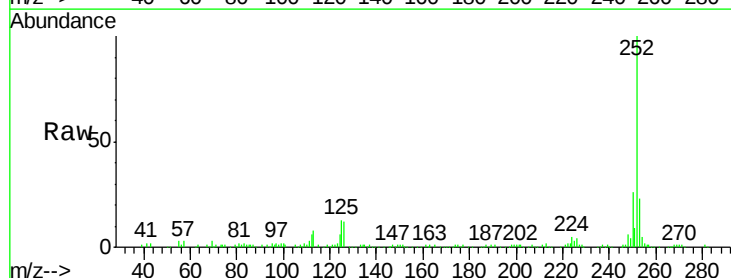


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

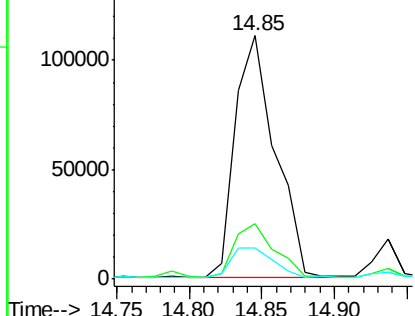
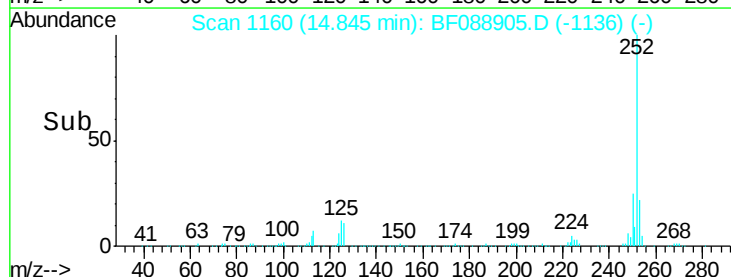


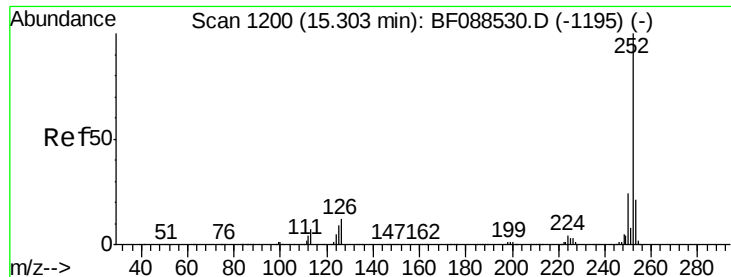
#88
Benzo(k)fluoranthene
Concen: 29.55 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF088905.D
Acq: 11 Jul 2016 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.5	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: 13.11 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

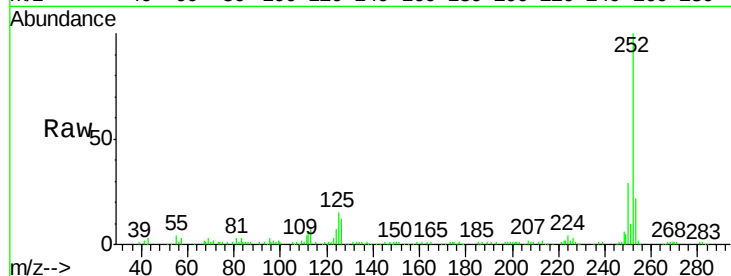
Tgt Ion:252 Resp: 91292

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

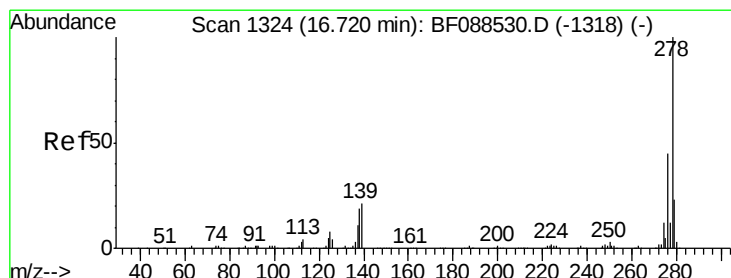
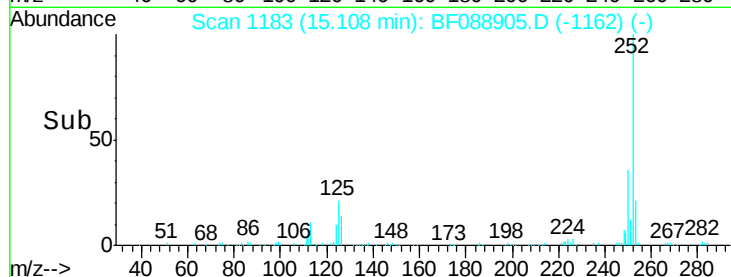
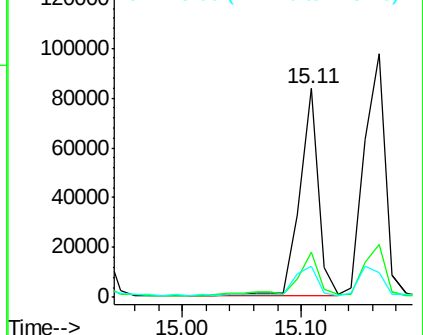
125 15.0 12.5 18.7



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



#90

Dibenzo(a,h)anthracene

Concen: 3.22 ng

RT: 16.51 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

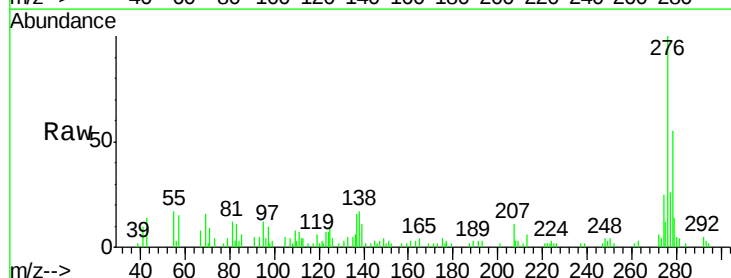
Tgt Ion:278 Resp: 18757

Ion Ratio Lower Upper

278 100

139 19.5 15.7 23.5

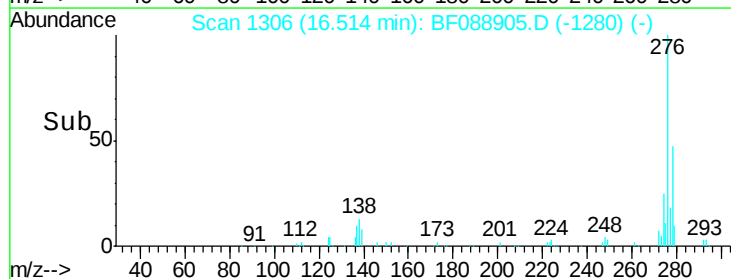
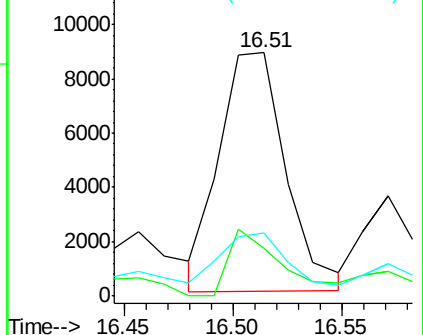
279 25.9 19.4 29.2

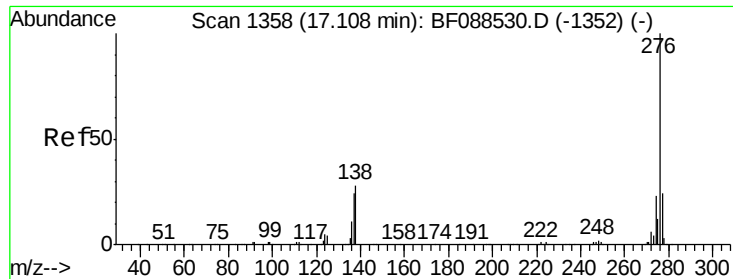


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 10.18 ng

RT: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088905.D

Acq: 11 Jul 2016 17:58

Instrument :

BNA_F

ClientSampleId :

P7-B2-0-5-C

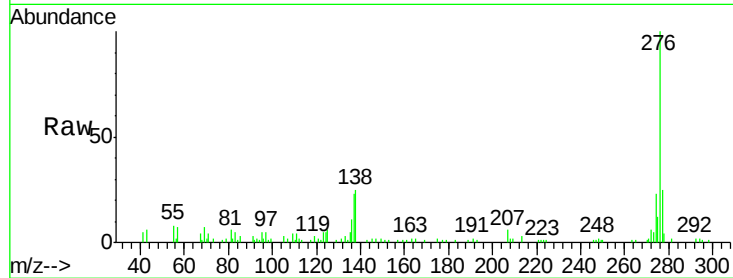
Tgt Ion: 276 Resp: 61278

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 25.5 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

