

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088310.D
 Acq On : 24 Jun 2016 1:34
 Operator : UM/SJ
 Sample : H3682-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-6)

Quant Time: Jun 24 03:26:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 01:47:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	239324	20.00	ng	0.16
21) Naphthalene-d8	7.88	136	327232	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	142781	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	239284	20.00	ng	0.00
75) Chrysene-d12	13.73	240	169645	20.00	ng	-0.01
86) Perylene-d12	15.09	264	162376	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	512525	36.61	ng	0.01
7) Phenol-d6	6.27	99	651287	38.39	ng	-0.01
23) Nitrobenzene-d5	7.16	82	343007	61.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	129398	85.83	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	659749	71.72	ng	-0.01
78) Terphenyl-d14	12.69	244	472826	63.42	ng	-0.01

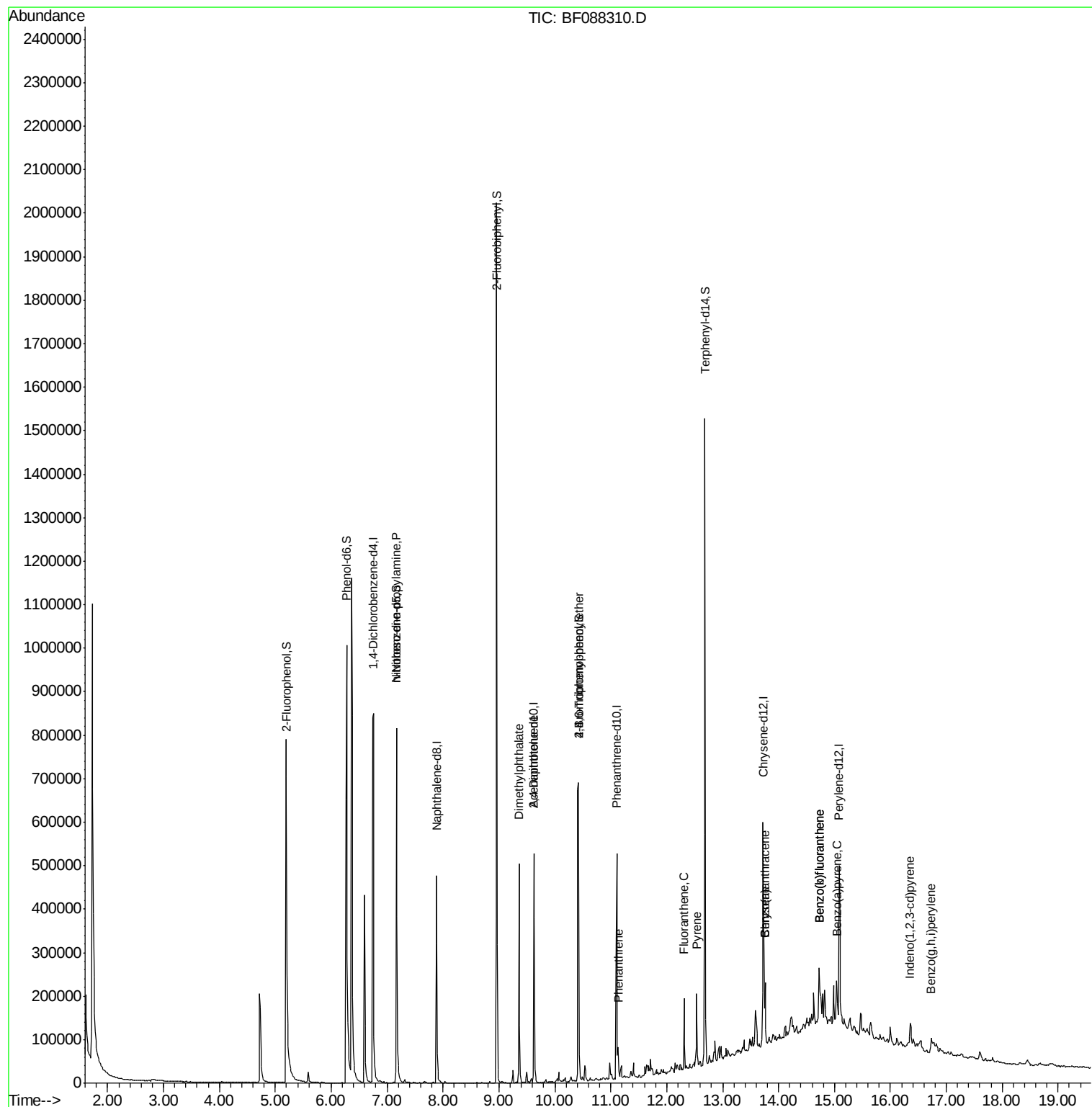
Target Compounds				Qvalue		
10) Phenol	6.36	94	973	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	44637	4.11 ng	#	70
45) 1,1'-Biphenyl	9.06	154	772	Below Cal	#	43
49) Dimethylphthalate	9.36	163	224904	21.74 ng		99
56) 2,4-Dinitrotoluene	9.62	165	18287	6.01 ng	#	36
57) Fluorene	10.18	166	4080	Below Cal	#	89
66) 4-Bromophenyl-phenylether	10.42	248	8447	3.29 ng	#	1
70) Phenanthrene	11.13	178	30957	2.47 ng		98
74) Fluoranthene	12.31	202	67751	5.11 ng		98
77) Pyrene	12.54	202	71704	5.70 ng		99
80) Benzo(a)anthracene	13.76	228	50837	5.26 ng		97
82) Chrysene	13.76	228	50837	5.59 ng		98
85) Indeno(1,2,3-cd)pyrene	16.35	276	25240	2.99 ng	#	100
87) Benzo(b)fluoranthene	14.73	252	98220	8.68 ng	#	94
88) Benzo(k)fluoranthene	14.73	252	98220	11.50 ng		99
89) Benzo(a)pyrene	15.04	252	41852	4.57 ng	#	96
91) Benzo(g,h,i)perylene	16.73	276	22495	2.57 ng		95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.16 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

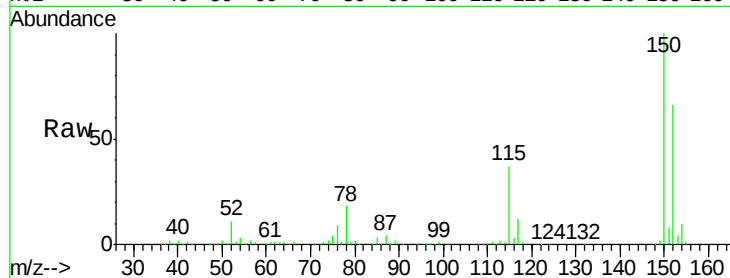
Tgt Ion:152 Resp: 239324

Ion Ratio Lower Upper

152 100

150 151.6 123.8 185.6

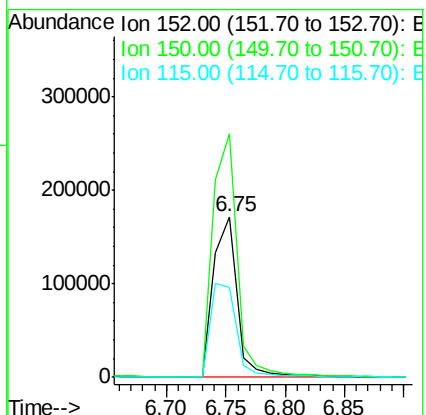
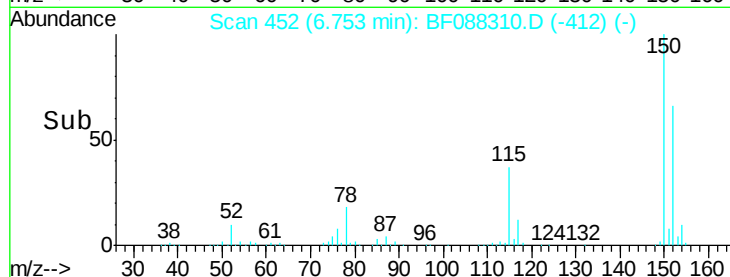
115 56.4 39.6 59.4



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: 36.61 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

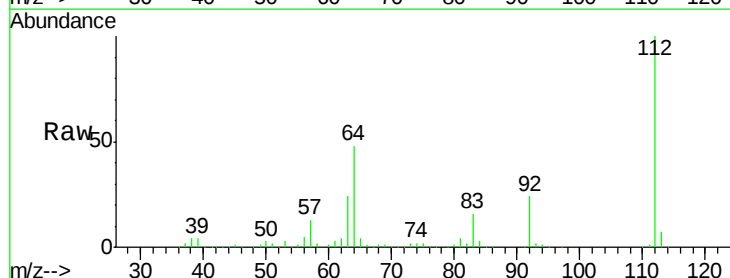
Tgt Ion:112 Resp: 512525

Ion Ratio Lower Upper

112 100

64 47.7 42.2 63.2

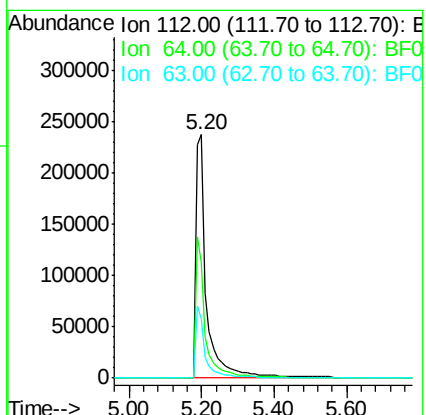
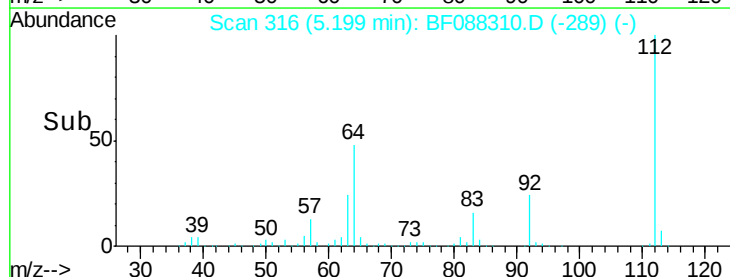
63 24.2 21.8 32.8



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: 38.39 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

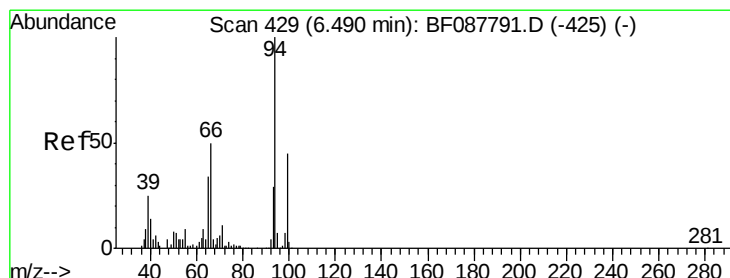
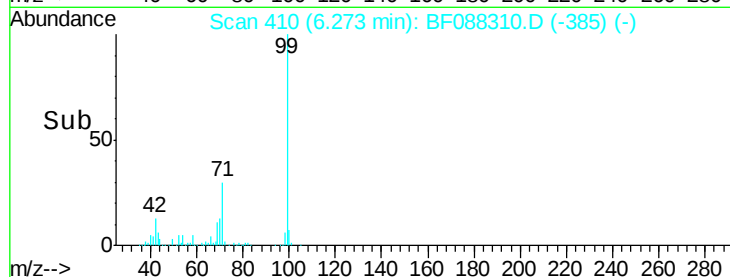
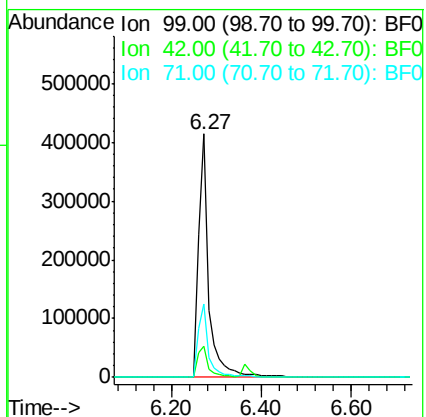
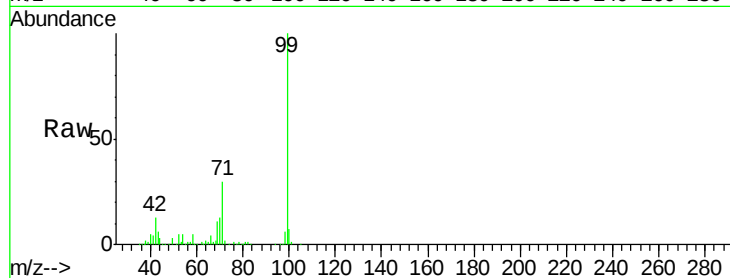
Tgt Ion: 99 Resp: 651287

Ion Ratio Lower Upper

99 100

42 12.7 12.2 18.2

71 30.4 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.36 min Scan# 418

Delta R.T. 0.07 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

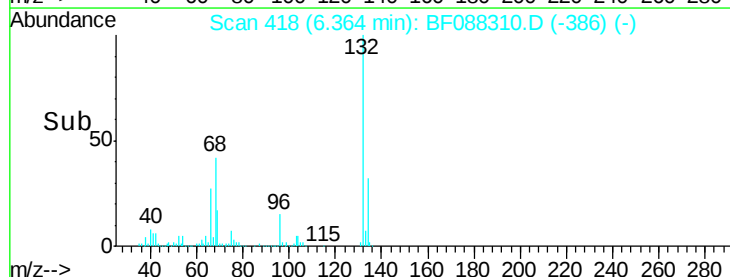
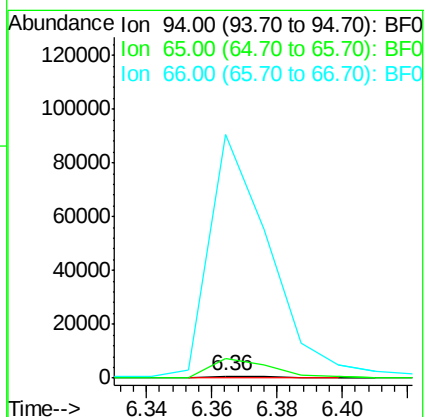
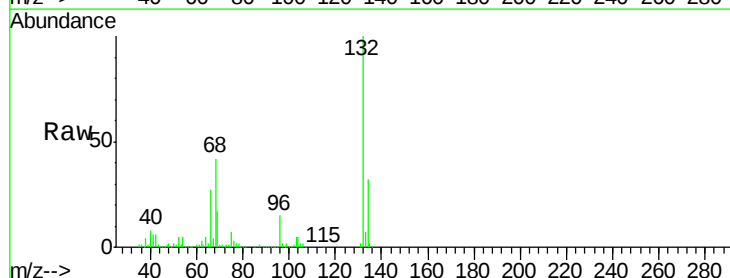
Tgt Ion: 94 Resp: 973

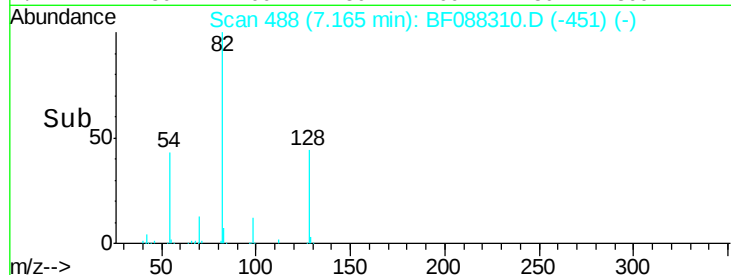
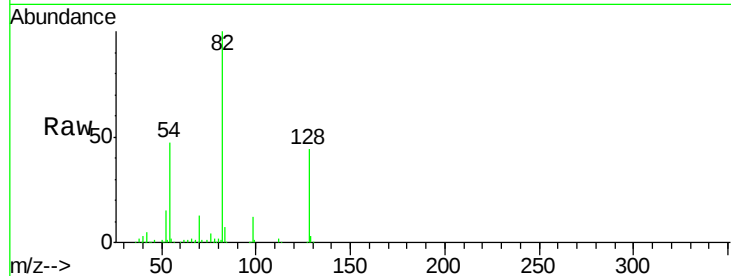
Ion Ratio Lower Upper

94 100

65 824.2 5.9 45.9#

66 10439.7 14.0 54.0#

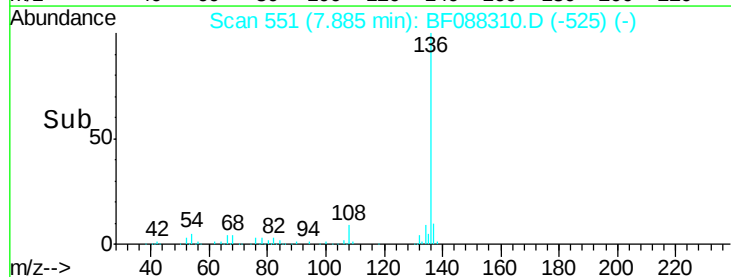
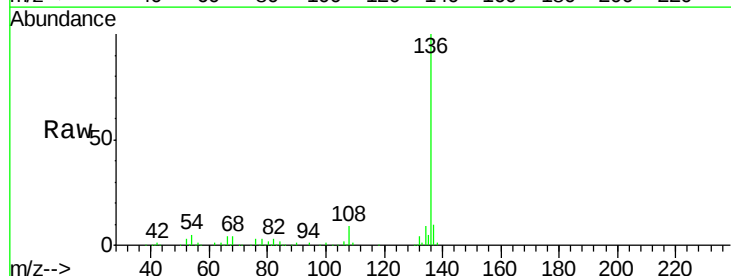
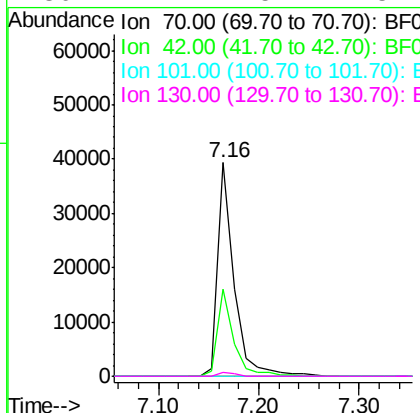




#19
n-Nitroso-di-n-propylamine
Concen: 4.11 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

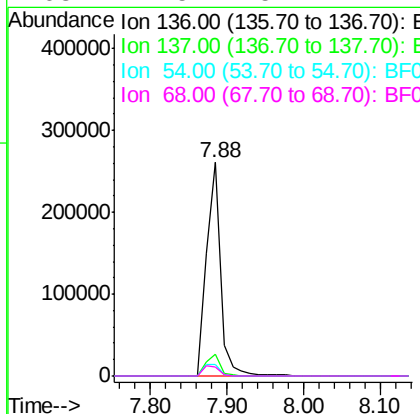
Instrument :
BNA_F
ClientSampleId :
SB-3(0-6)

Tgt Ion: 70 Resp: 44637
Ion Ratio Lower Upper
70 100
42 40.7 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: 7.88 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

Tgt Ion: 136 Resp: 327232
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 5.1 6.6 10.0#
68 4.5 5.1 7.7#

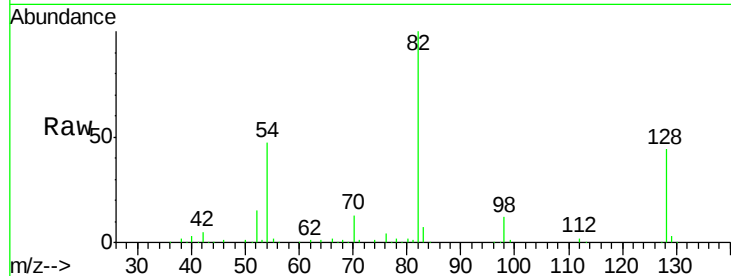




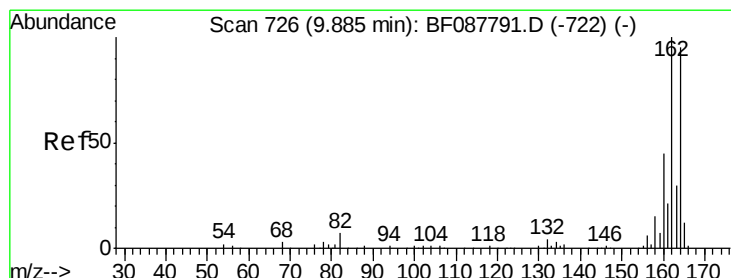
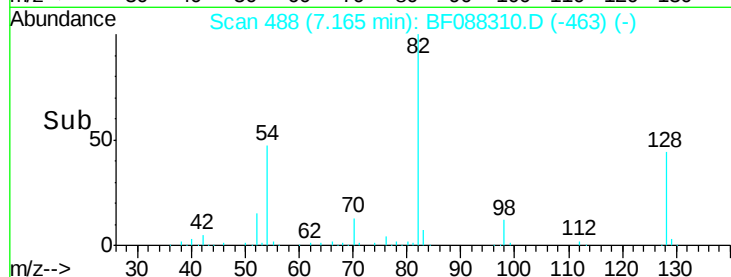
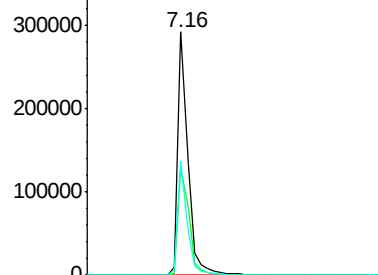
#23
 Nitrobenzene-d5
 Concen: 61.21 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088310.D
 Acq: 24 Jun 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-6)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.9	53.9
54	46.7	40.9	61.3

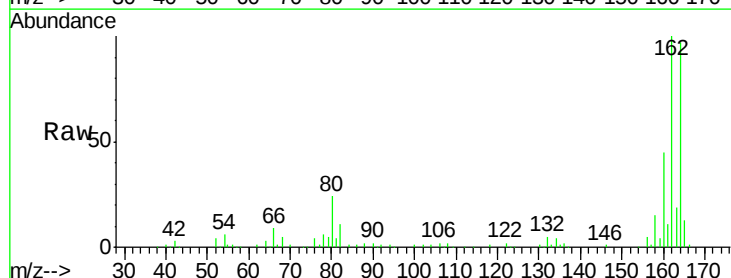


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

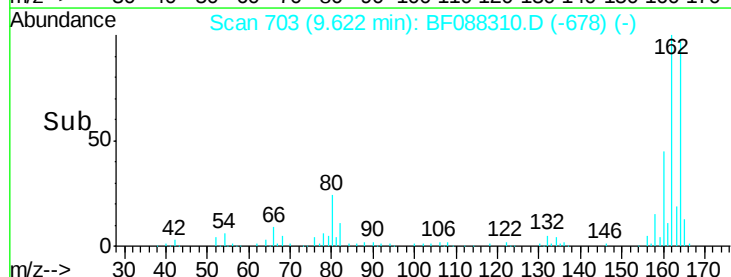
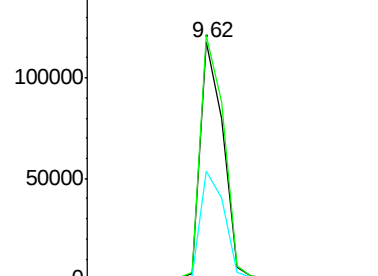


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF088310.D
 Acq: 24 Jun 2016 1:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	85.4	128.2
160	45.8	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

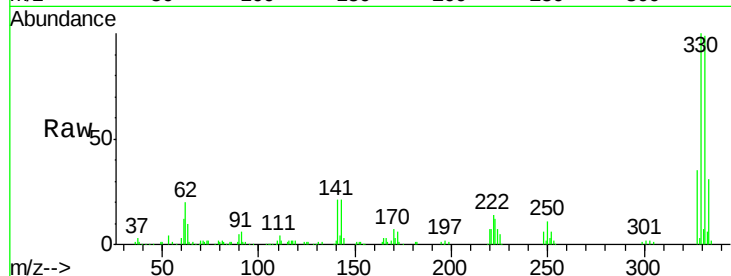




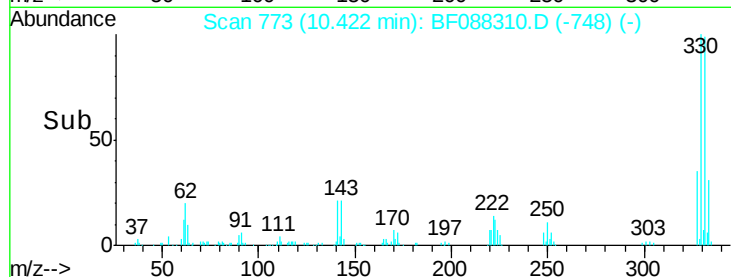
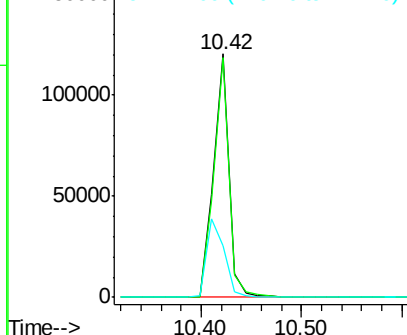
#41
 2,4,6-Tribromophenol
 Concen: 85.83 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088310.D
 Acq: 24 Jun 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-6)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	36.9	0.0	0.0#

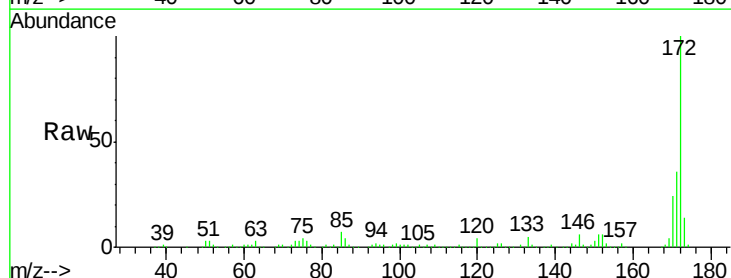


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

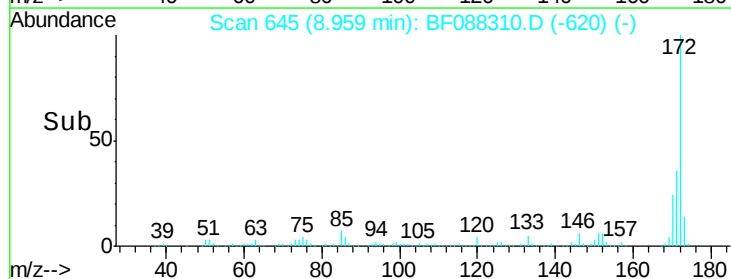
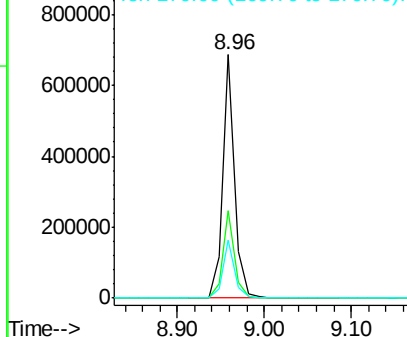


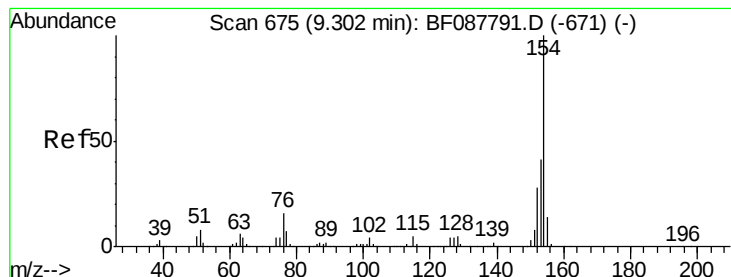
#44
 2-Fluorobiphenyl
 Concen: 71.72 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088310.D
 Acq: 24 Jun 2016 1:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.0	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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.06 min Scan# 654

Delta R.T. 0.00 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

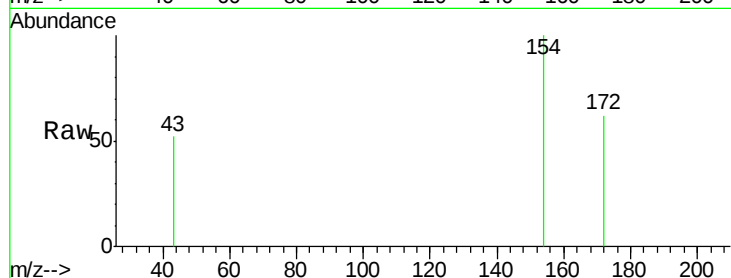
Tgt Ion:154 Resp: 772

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

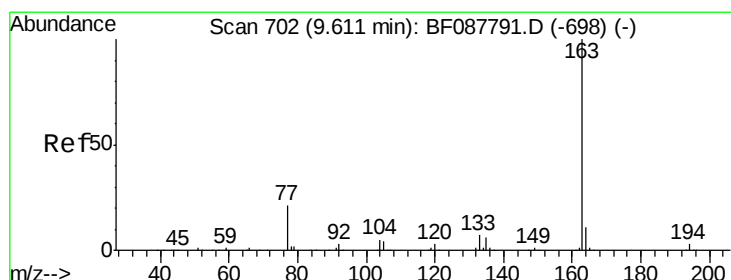
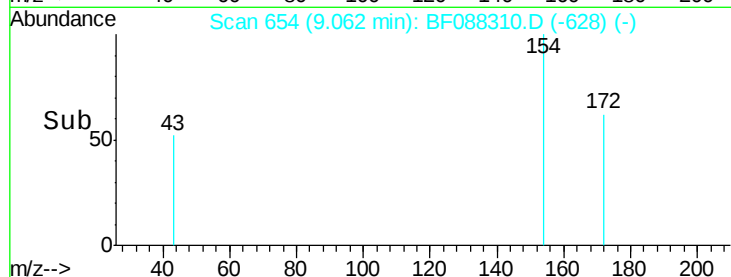
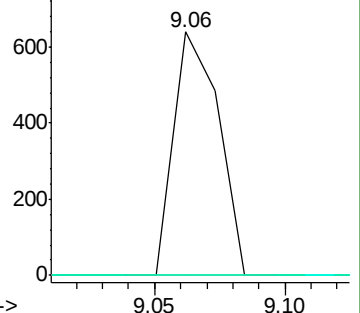
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#49

Dimethylphthalate

Concen: 21.74 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

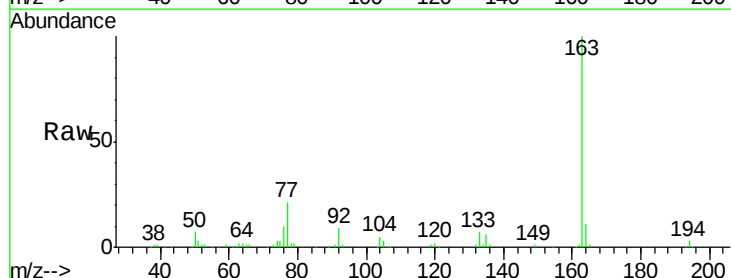
Tgt Ion:163 Resp: 224904

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

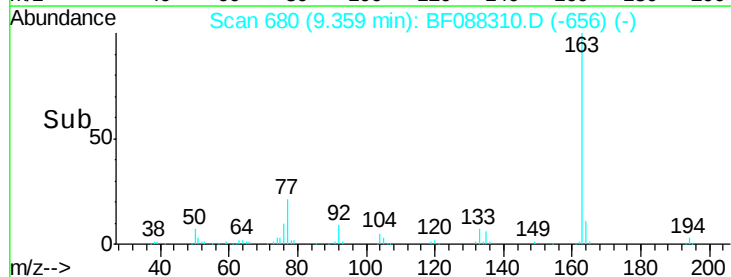
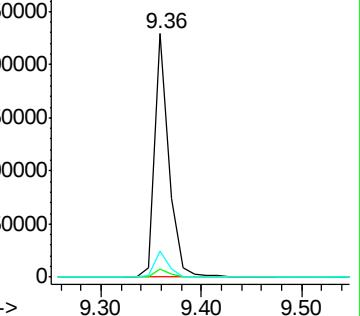
164 10.6 8.3 12.5

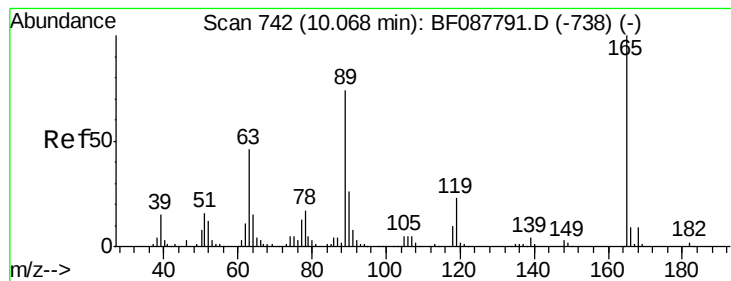


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.23 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

Tgt Ion:165 Resp: 18287

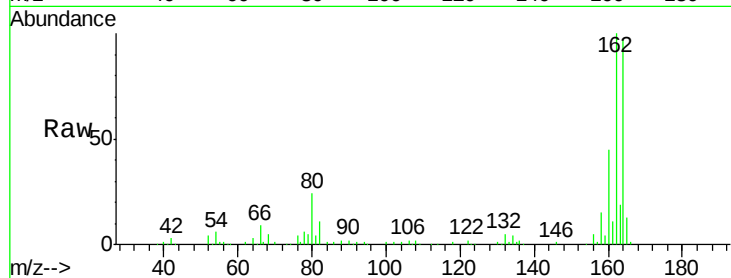
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

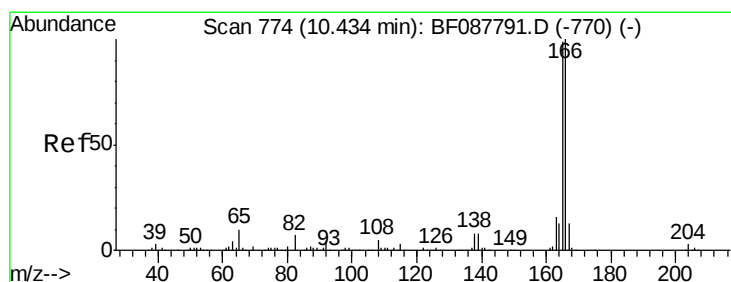
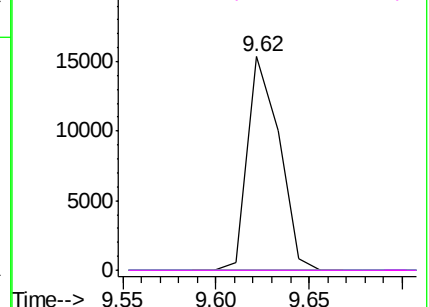
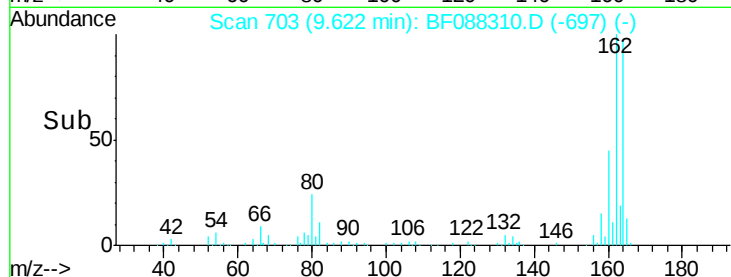


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.18 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

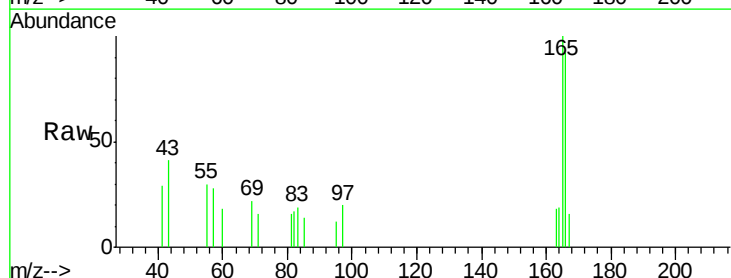
Tgt Ion:166 Resp: 4080

Ion Ratio Lower Upper

166 100

165 108.3 77.8 116.8

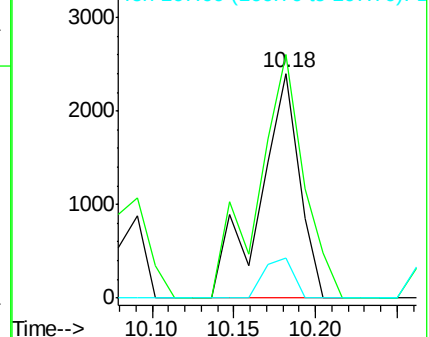
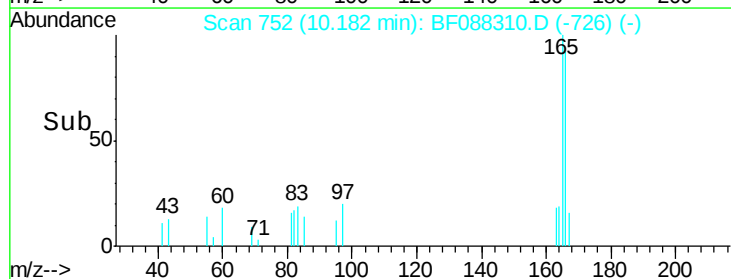
167 17.6 11.2 16.8#

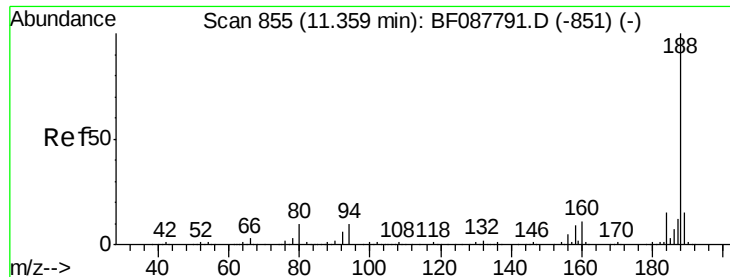


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

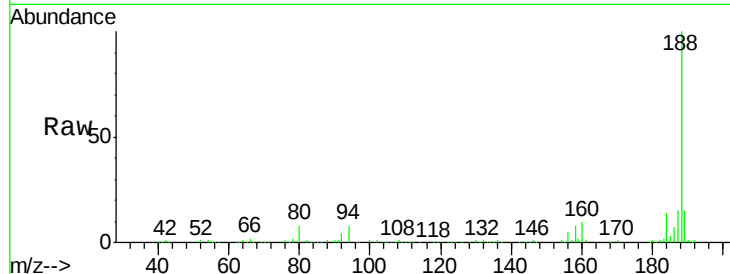




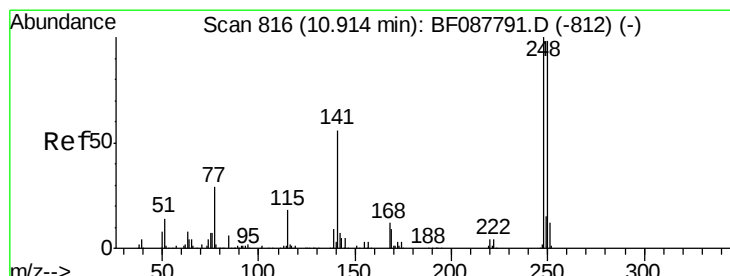
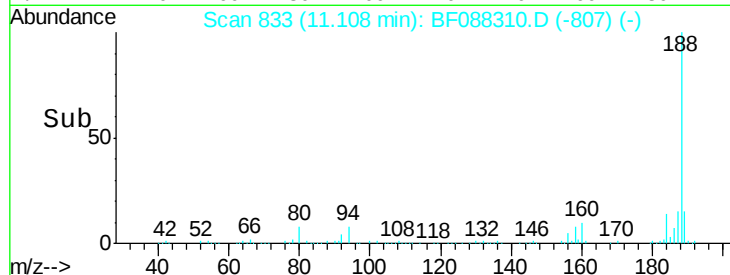
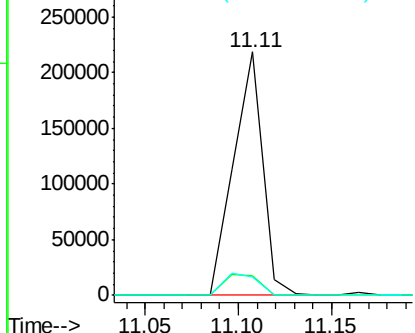
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

Instrument :
BNA_F
ClientSampleId :
SB-3(0-6)

Tgt Ion:188 Resp: 239284
Ion Ratio Lower Upper
188 100
94 7.9 9.0 13.6#
80 7.6 10.0 15.0#

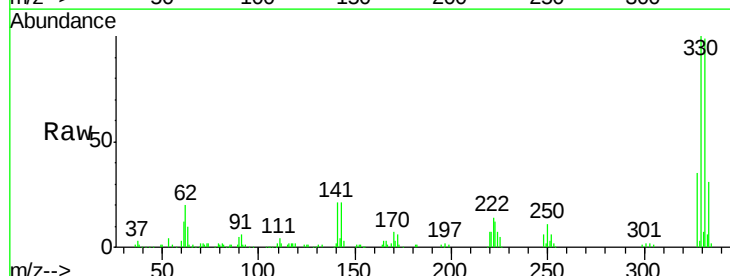


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

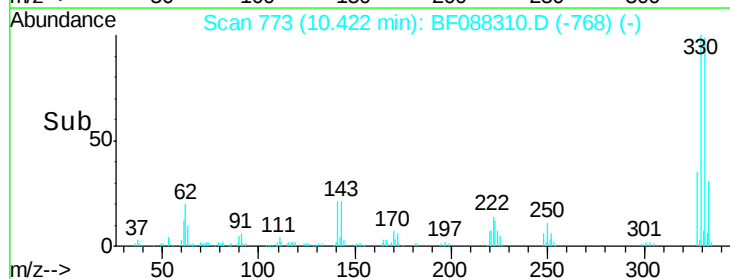
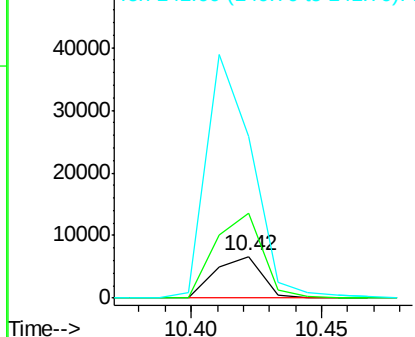


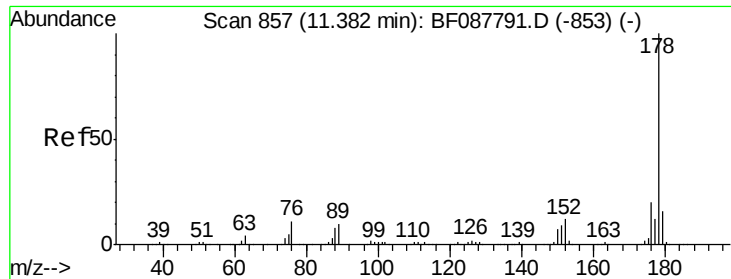
#66
4-Bromophenyl-phenylether
Concen: 3.29 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.24 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

Tgt Ion:248 Resp: 8447
Ion Ratio Lower Upper
248 100
250 202.6 77.1 115.7#
141 384.2 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

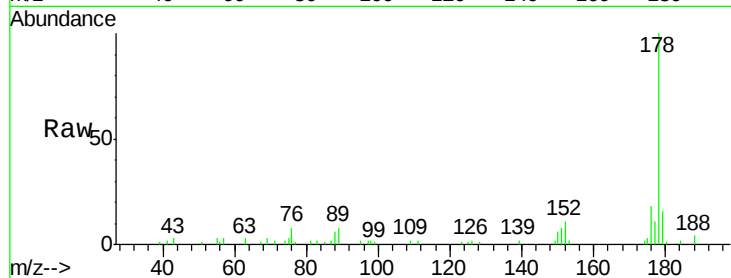




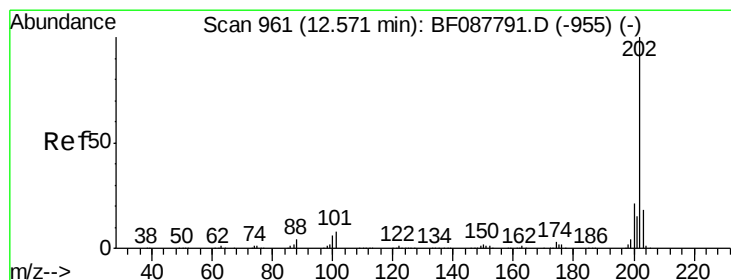
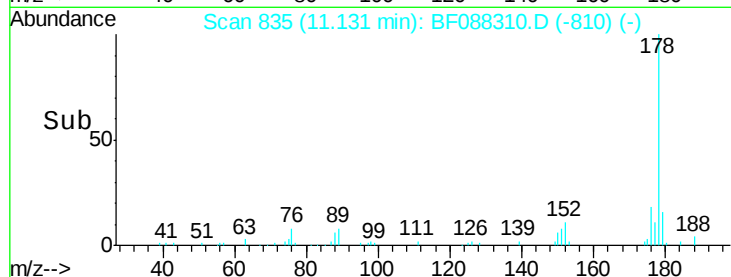
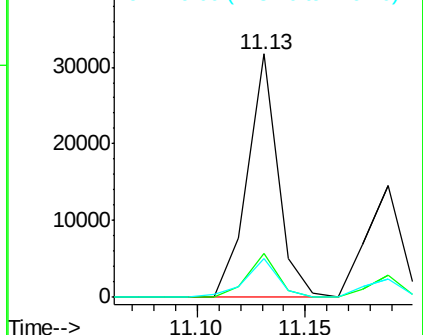
#70
Phenanthrene
Concen: 2.47 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

Instrument :
BNA_F
ClientSampleId :
SB-3(0-6)

Tgt Ion:178 Resp: 30957
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 16.1 13.0 19.4

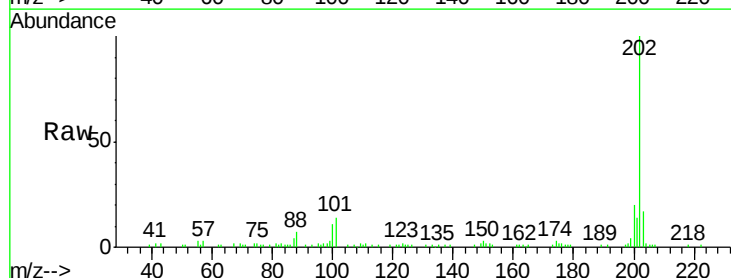


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

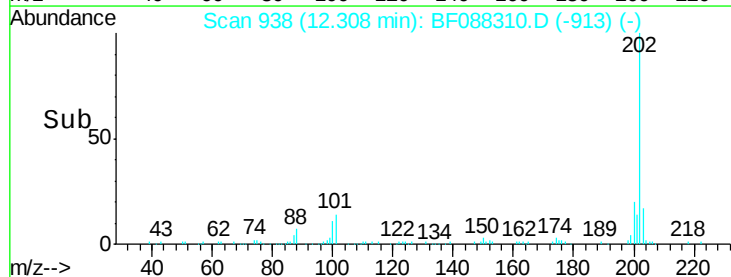
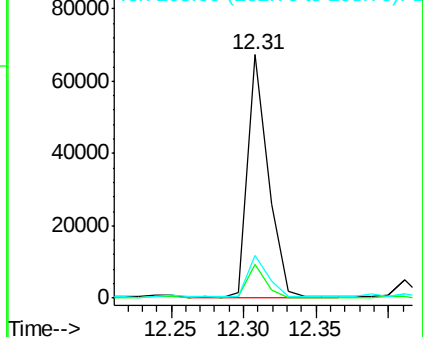


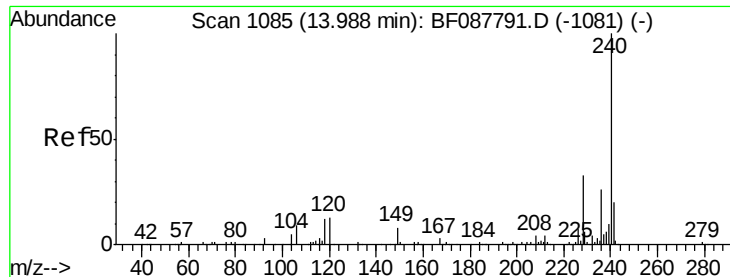
#74
Fluoranthene
Concen: 5.11 ng
RT: 12.31 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

Tgt Ion:202 Resp: 67751
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.1
203 17.4 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: 13.73 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

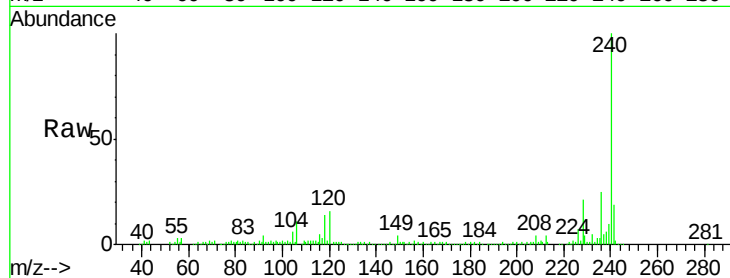
Tgt Ion:240 Resp: 169645

Ion Ratio Lower Upper

240 100

120 16.3 6.8 10.2#

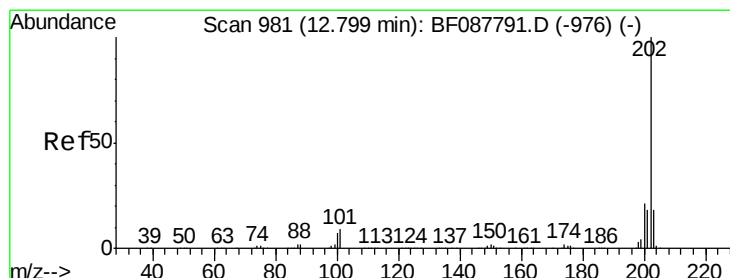
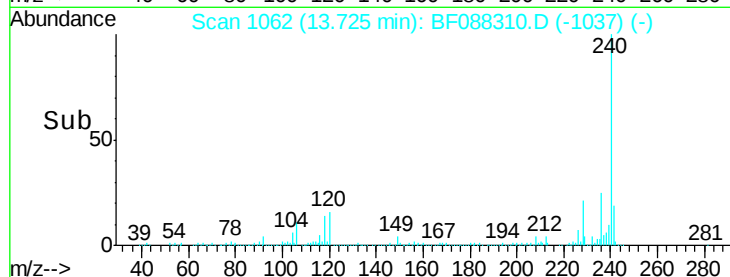
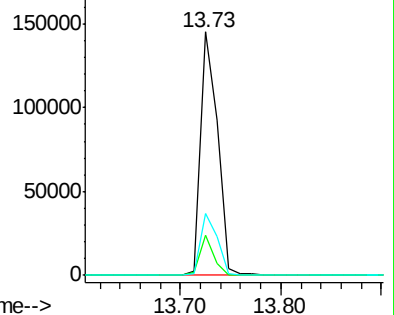
236 25.2 20.2 30.2



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: 5.70 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

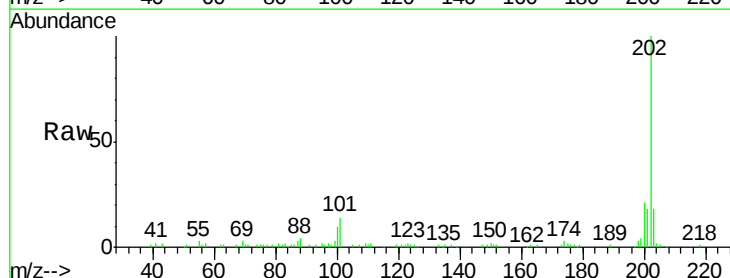
Tgt Ion:202 Resp: 71704

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

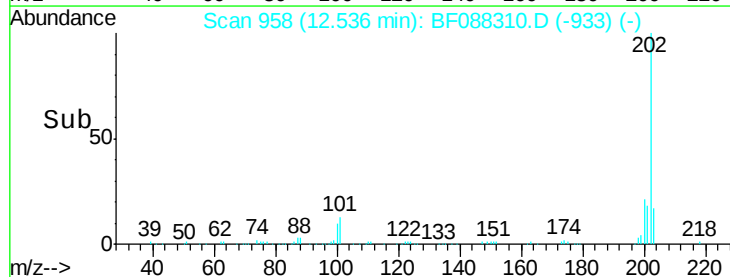
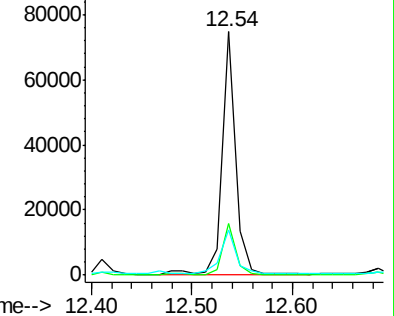
203 18.4 14.5 21.7

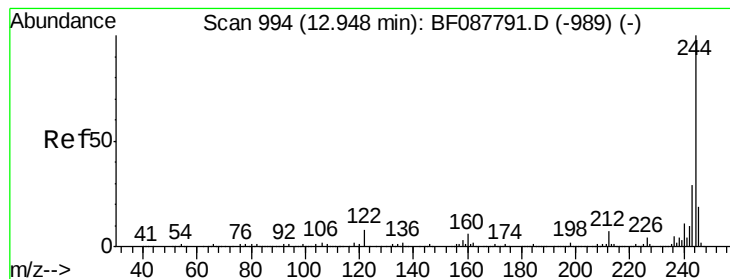


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.42 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

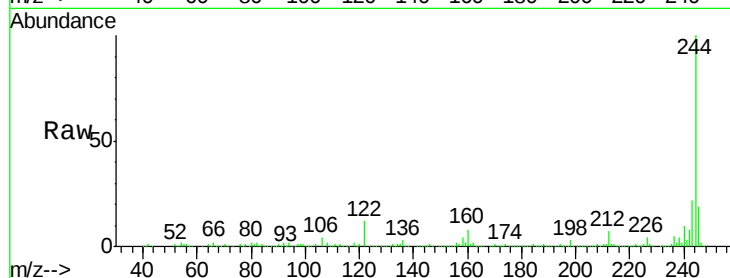
Tgt Ion:244 Resp: 472826

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

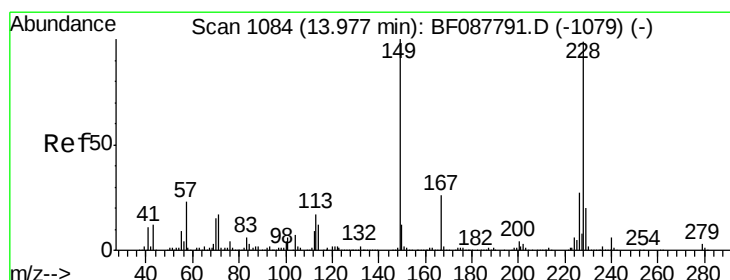
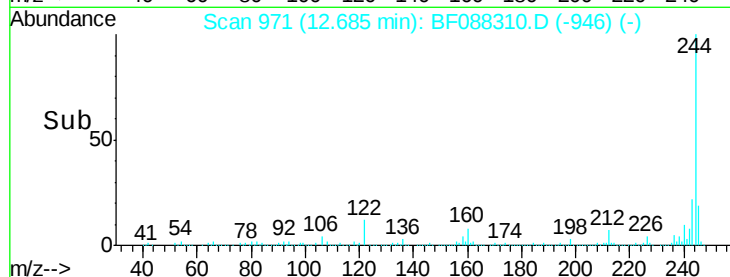
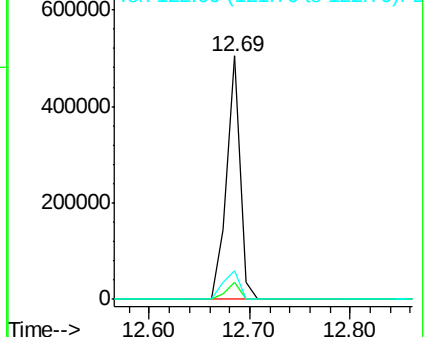
122 11.7 11.2 16.8



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: 5.26 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.03 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

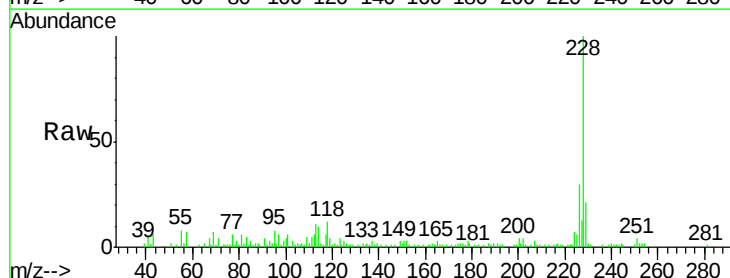
Tgt Ion:228 Resp: 50837

Ion Ratio Lower Upper

228 100

226 30.0 22.3 33.5

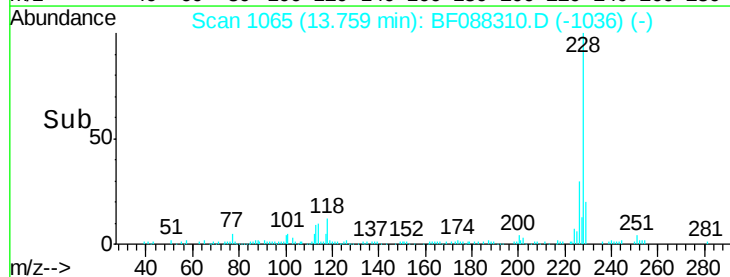
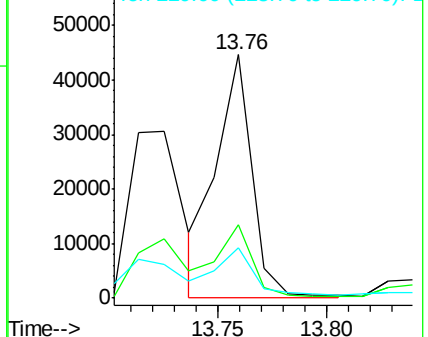
229 20.9 16.0 24.0

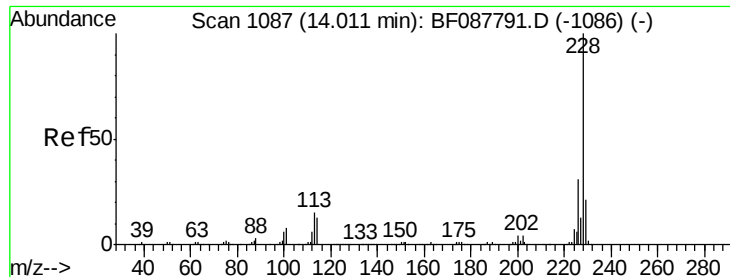


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.59 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

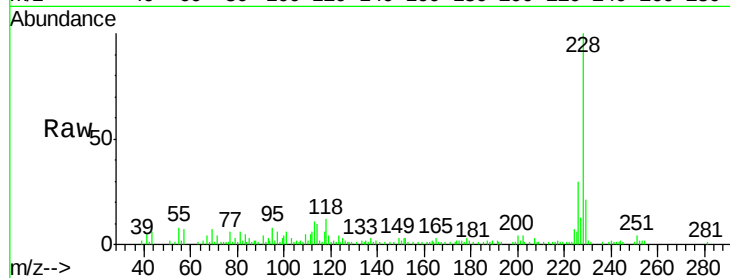
Tgt Ion:228 Resp: 50837

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

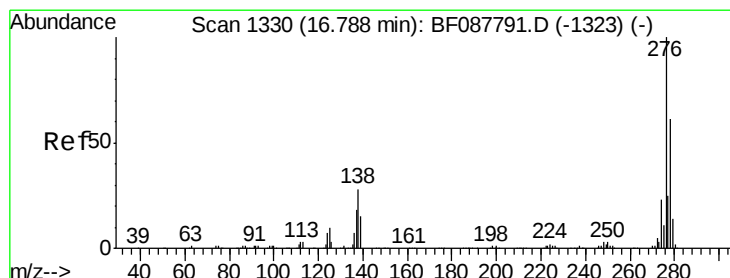
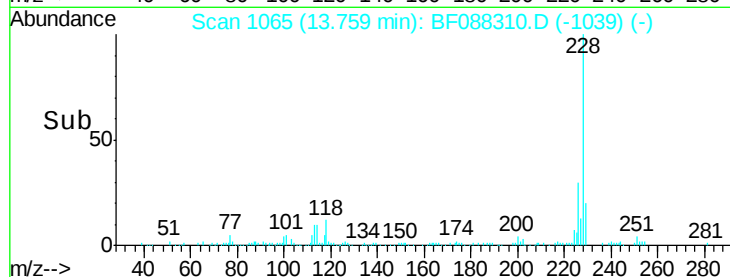
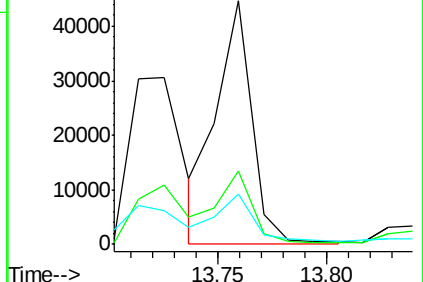
229 20.9 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.99 ng

RT: 16.35 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

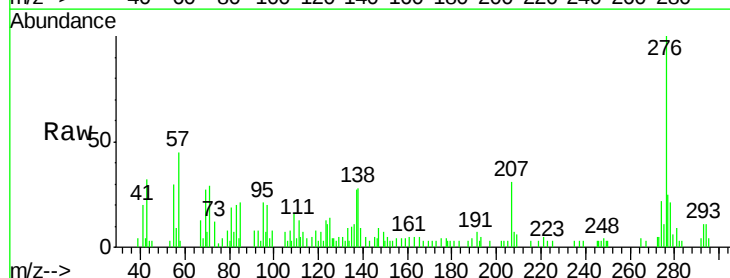
Tgt Ion:276 Resp: 25240

Ion Ratio Lower Upper

276 100

138 21.9 0.0 0.0#

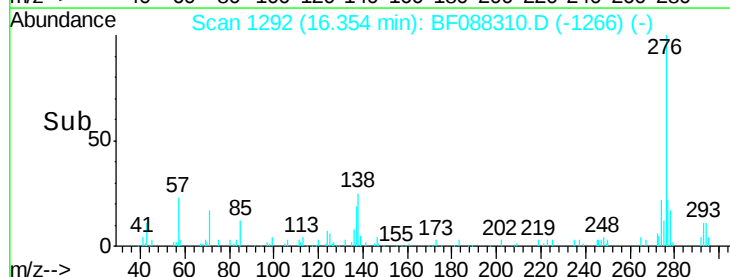
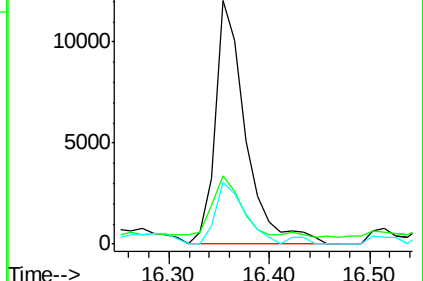
277 24.5 0.0 0.0#

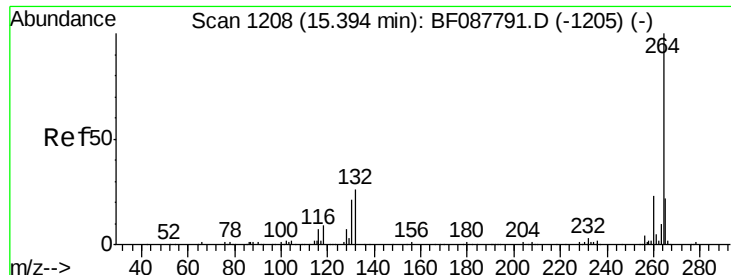


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

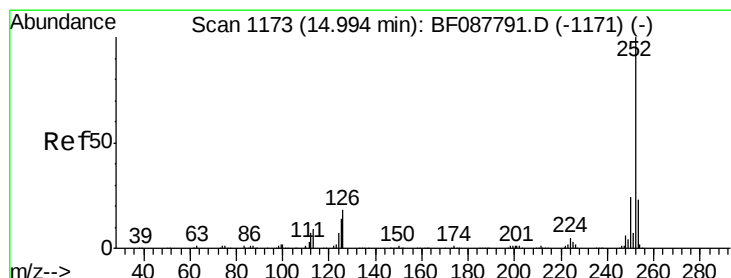
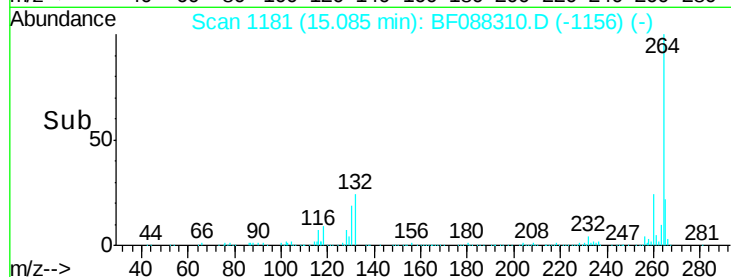
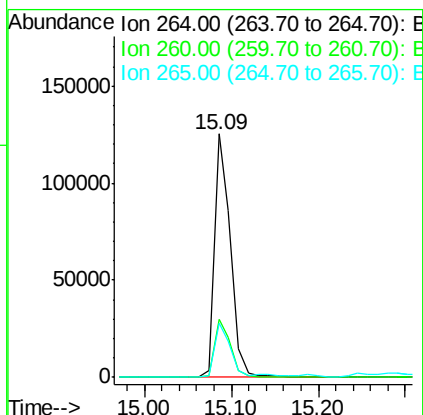
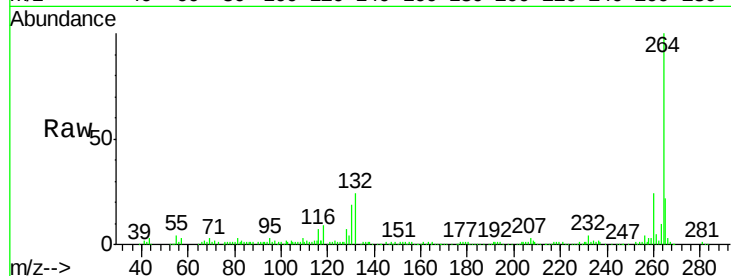




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

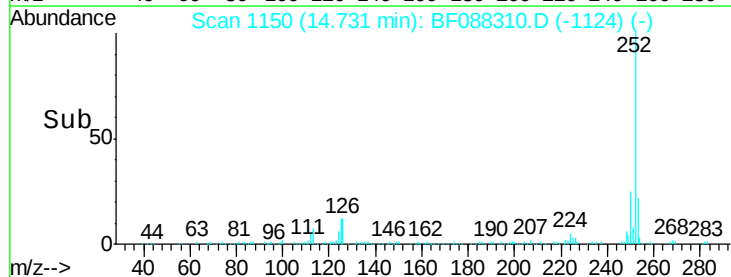
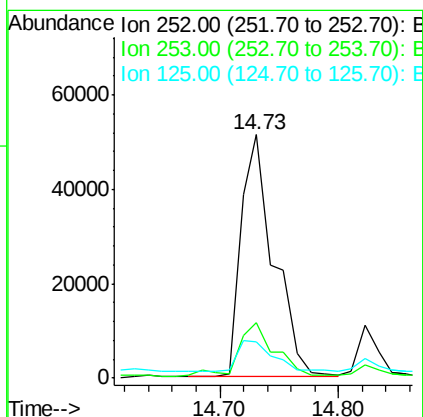
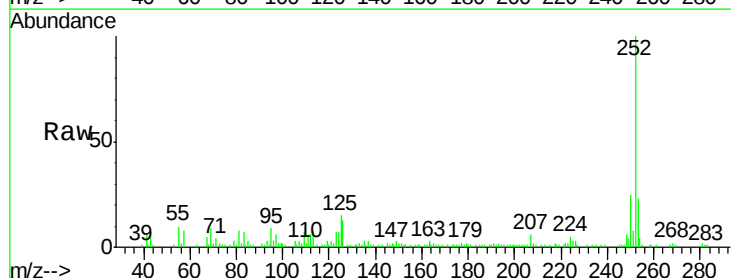
Instrument :
BNA_F
ClientSampleId :
SB-3(0-6)

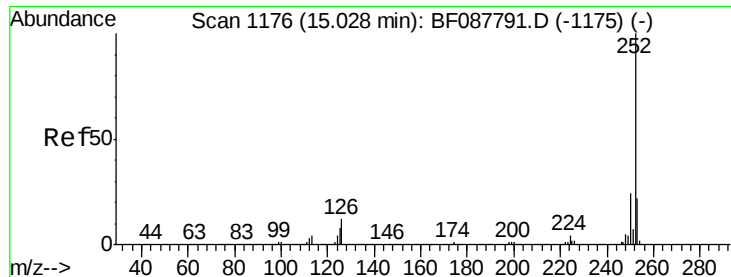
Tgt Ion: 264 Resp: 162376
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.4 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 8.68 ng
RT: 14.73 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF088310.D
Acq: 24 Jun 2016 1:34

Tgt Ion: 252 Resp: 98220
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 14.9 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 11.50 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

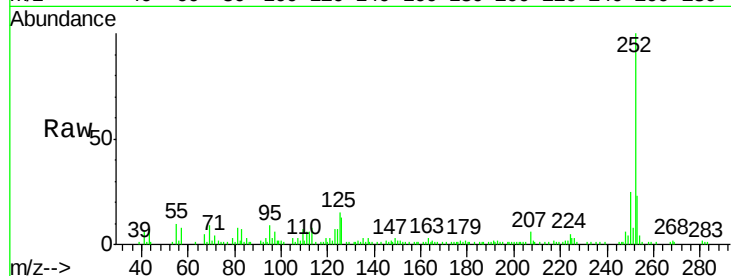
Tgt Ion:252 Resp: 98220

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

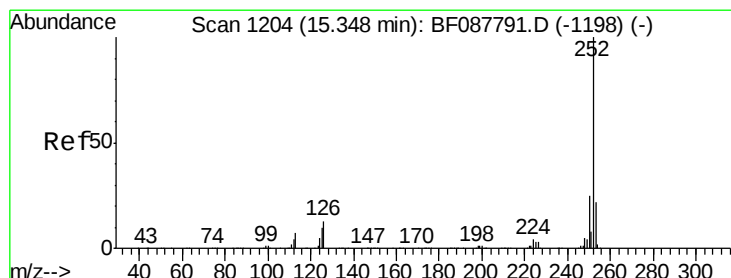
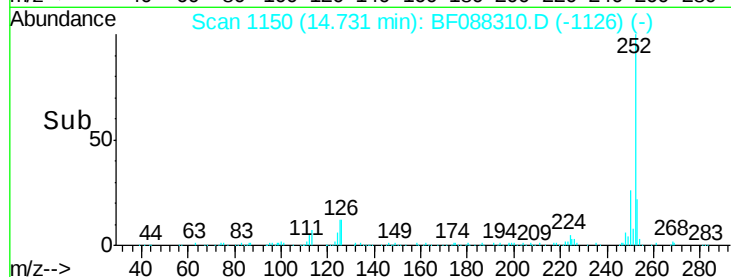
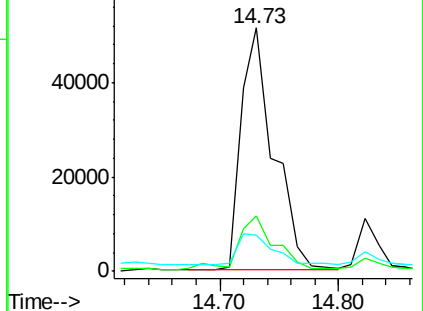
125 14.9 11.2 16.8



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: 4.57 ng

RT: 15.04 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

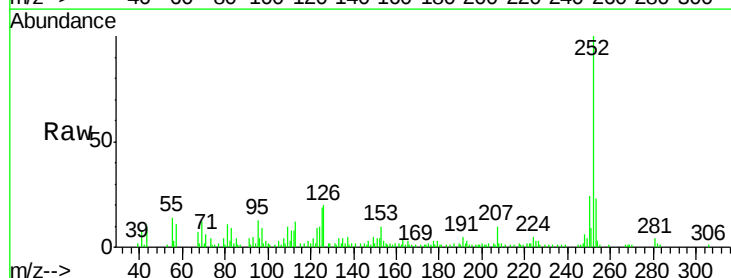
Tgt Ion:252 Resp: 41852

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

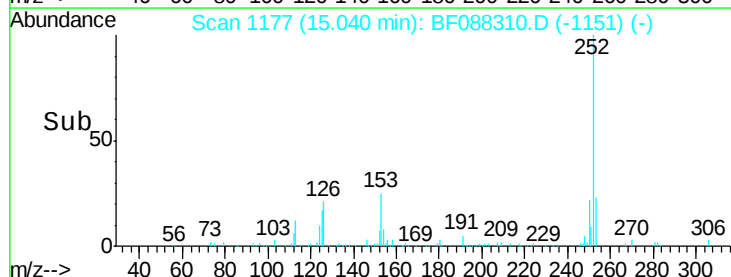
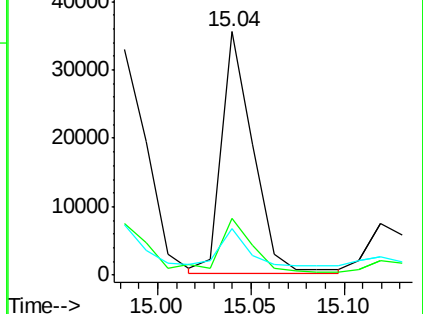
125 18.9 12.5 18.7#

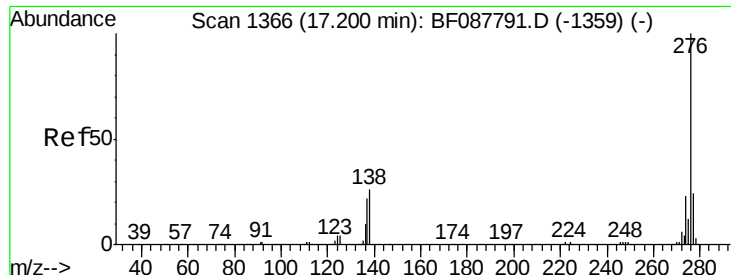


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.57 ng

RT: 16.73 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF088310.D

Acq: 24 Jun 2016 1:34

Instrument :

BNA_F

ClientSampleId :

SB-3(0-6)

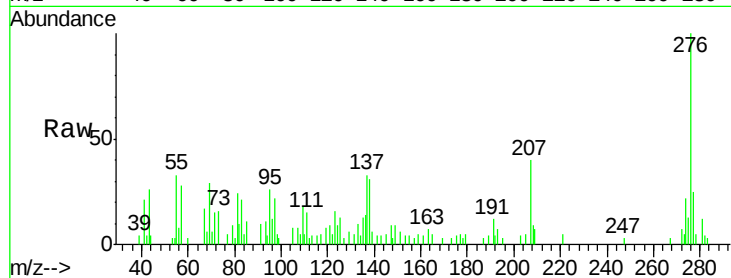
Tgt Ion: 276 Resp: 22495

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

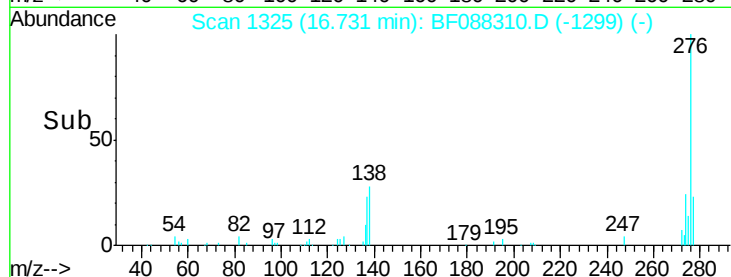
138 30.8 21.4 32.2



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



Time-->

