

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088308.D
 Acq On : 24 Jun 2016 00:36
 Operator : UM/SJ
 Sample : H3682-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

Quant Time: Jun 24 01:39:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

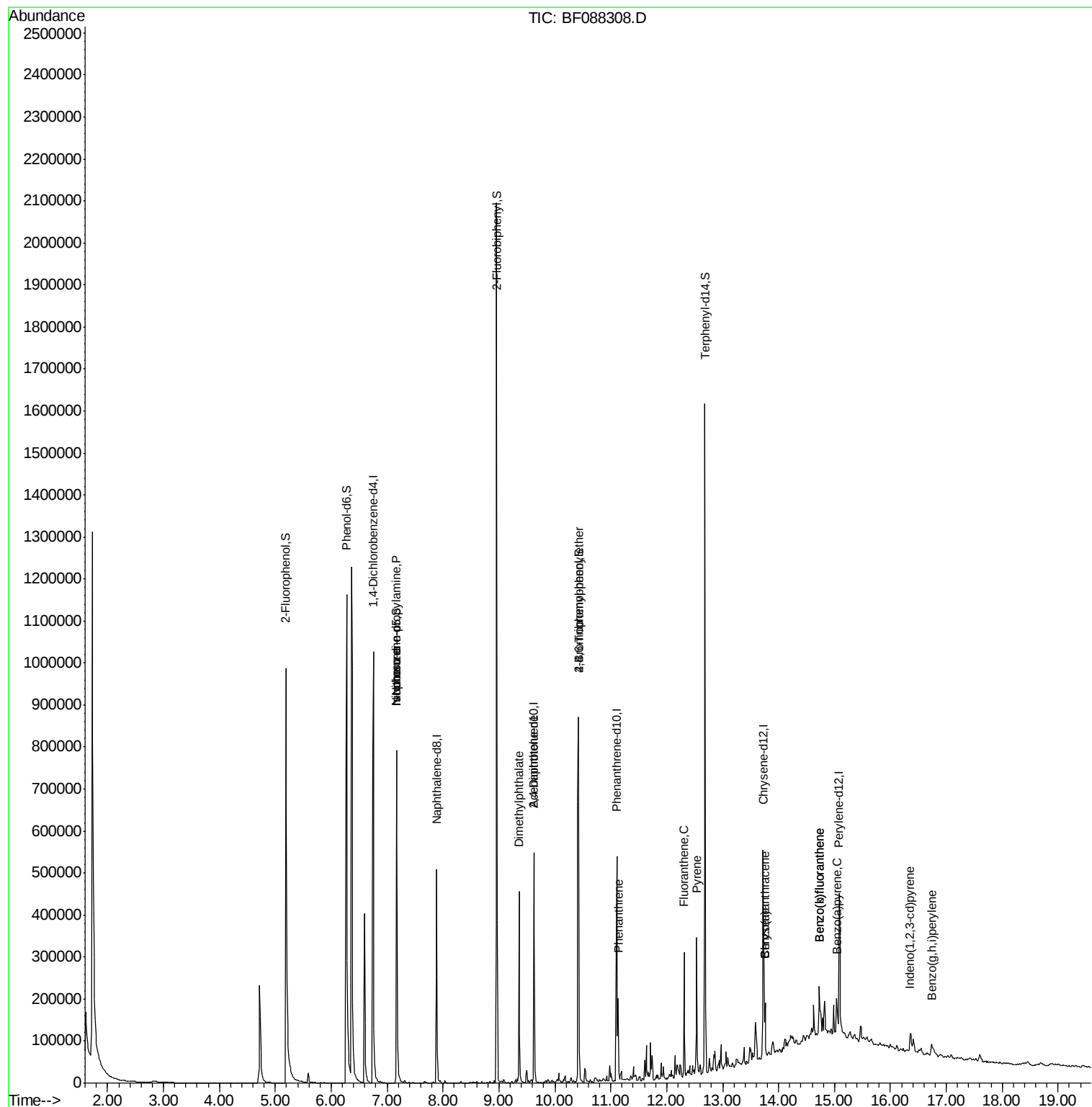
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	259687	20.00	ng	0.15
21) Naphthalene-d8	7.88	136	317348	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	140145	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	235422	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	163332	20.00	ng	-0.02
86) Perylene-d12	15.09	264	153927	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	551905	36.33	ng	0.01
7) Phenol-d6	6.27	99	720627	39.14	ng	0.01
23) Nitrobenzene-d5	7.16	82	390827	71.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	147947	99.98	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	688726	76.66	ng	-0.01
78) Terphenyl-d14	12.69	244	495089	68.98	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	1027	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	49562	4.21	ng	72
25) Isophorone	7.16	82	387458	38.49	ng	65
45) 1,1'-Biphenyl	9.06	154	243	Below Cal	#	43
49) Dimethylphthalate	9.36	163	197921	19.50	ng	100
56) 2,4-Dinitrotoluene	9.62	165	18284	6.12	ng	37
57) Fluorene	10.18	166	7332	Below Cal	#	93
66) 4-Bromophenyl-phenylether	10.42	248	9642	3.82	ng	1
70) Phenanthrene	11.13	178	89979	7.28	ng	97
74) Fluoranthene	12.31	202	113565	8.71	ng	99
77) Pyrene	12.54	202	132501	10.93	ng	97
80) Benzo(a)anthracene	13.76	228	53949	5.80	ng	98
82) Chrysene	13.76	228	53949	6.16	ng	98
85) Indeno(1,2,3-cd)pyrene	16.35	276	22888	2.81	ng	# 100
87) Benzo(b)fluoranthene	14.73	252	75481	7.04	ng	# 94
88) Benzo(k)fluoranthene	14.73	252	75481	9.33	ng	99
89) Benzo(a)pyrene	15.04	252	38895	4.48	ng	98
91) Benzo(g,h,i)perylene	16.74	276	22612	2.73	ng	98

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

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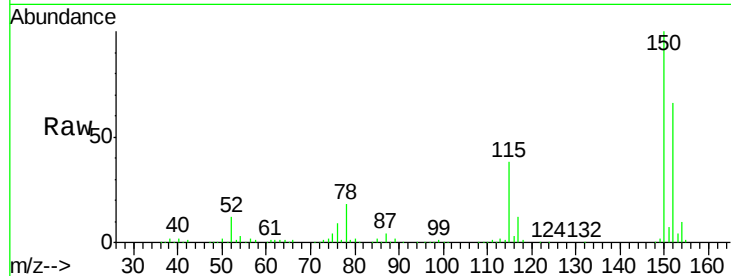




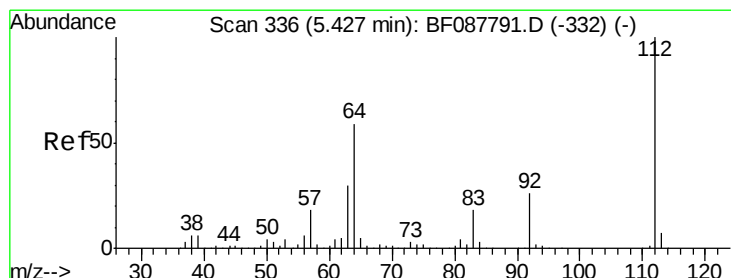
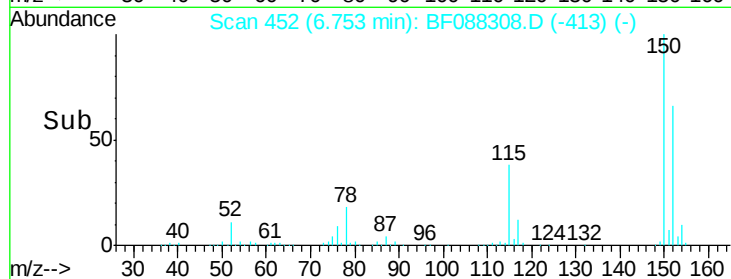
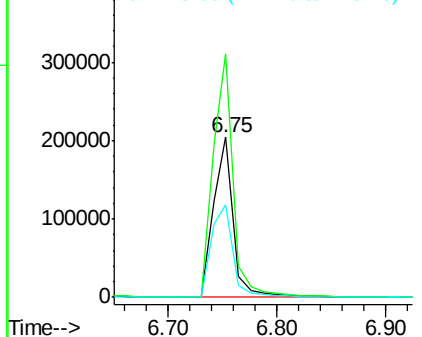
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 452
 Delta R.T. 0.15 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

Tgt Ion:152 Resp: 259687
 Ion Ratio Lower Upper
 152 100
 150 152.3 123.8 185.6
 115 57.7 39.6 59.4

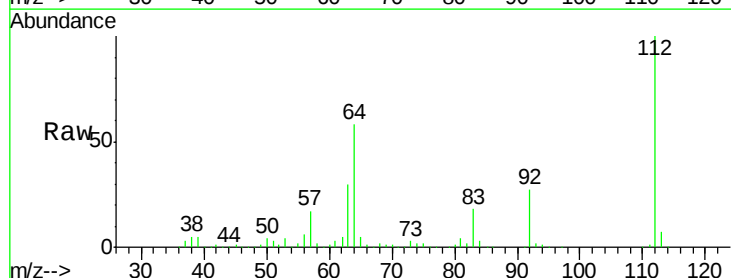


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

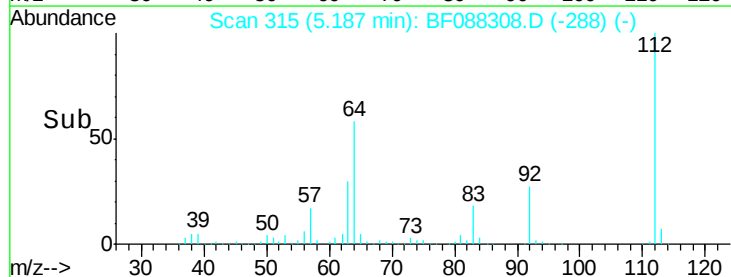
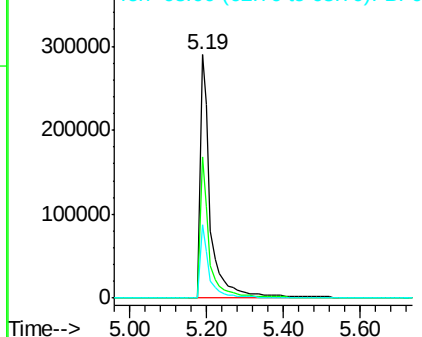


#5
 2-Fluorophenol
 Concen: 36.33 ng
 RT: 5.19 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Tgt Ion:112 Resp: 551905
 Ion Ratio Lower Upper
 112 100
 64 58.2 42.2 63.2
 63 30.1 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: 39.14 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)

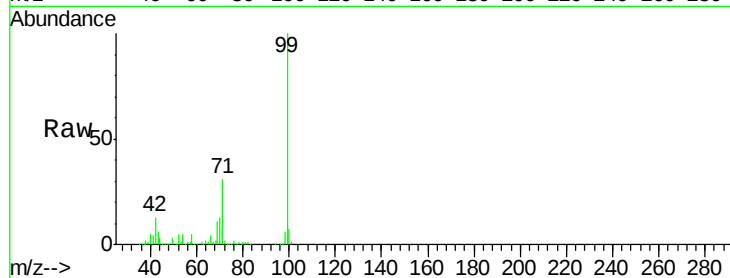
Tgt Ion: 99 Resp: 720627

Ion Ratio Lower Upper

99 100

42 13.1 12.2 18.2

71 31.1 23.4 35.0



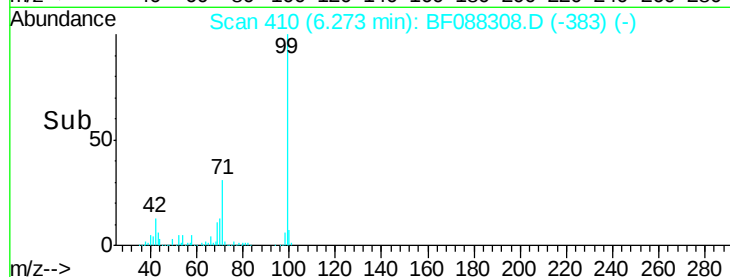
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

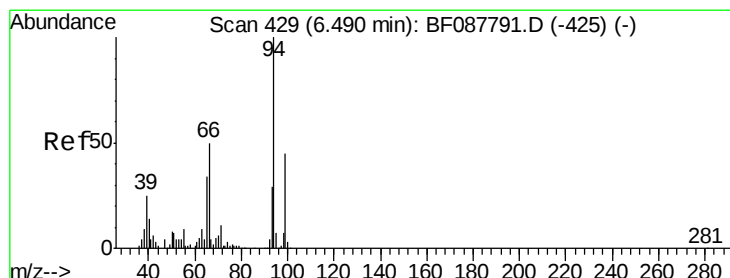
6.27

Time-->



6.27

Time-->



#10

Phenol

Concen: Below Cal

RT: 6.36 min Scan# 418

Delta R.T. 0.09 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

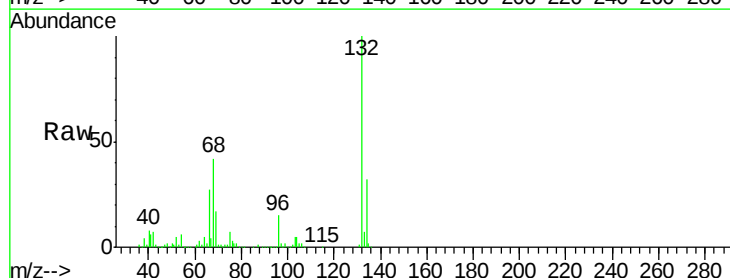
Tgt Ion: 94 Resp: 1027

Ion Ratio Lower Upper

94 100

65 938.0 5.9 45.9#

66 12409.3 14.0 54.0#



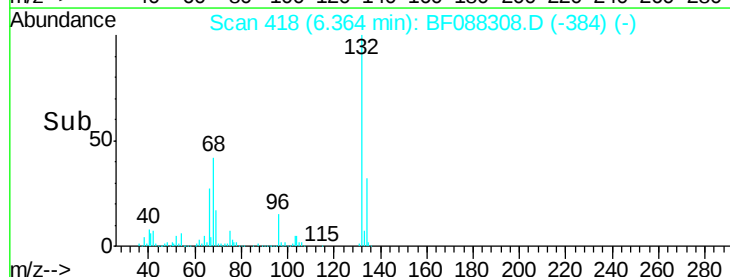
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

6.36

Time-->



6.36

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 4.21 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)

Tgt Ion: 70 Resp: 49562

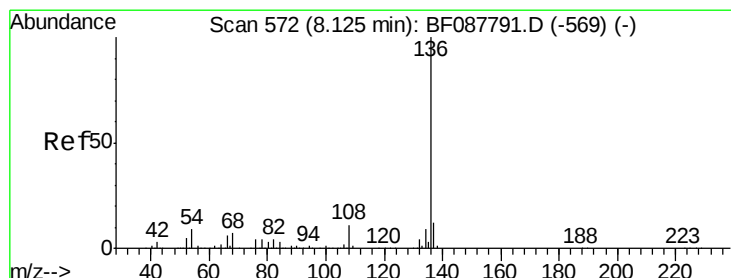
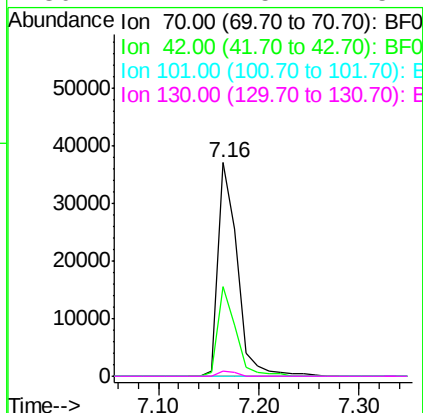
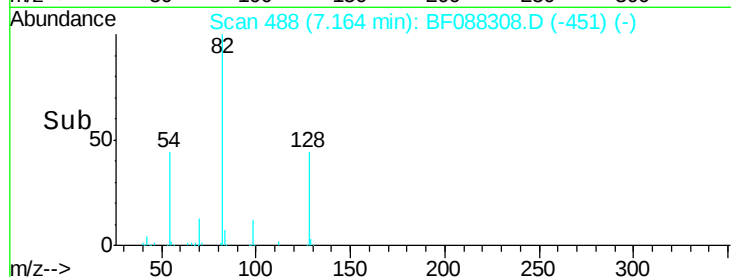
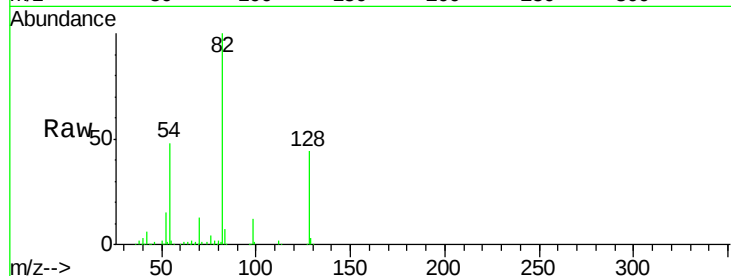
Ion Ratio Lower Upper

70 100

42 42.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Tgt Ion: 136 Resp: 317348

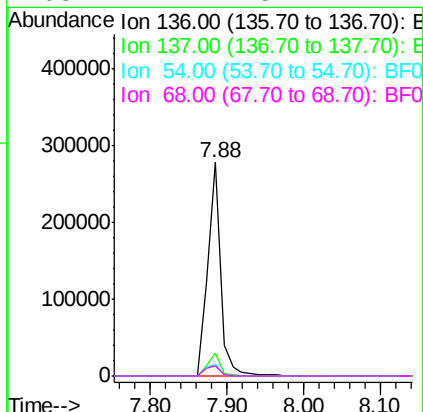
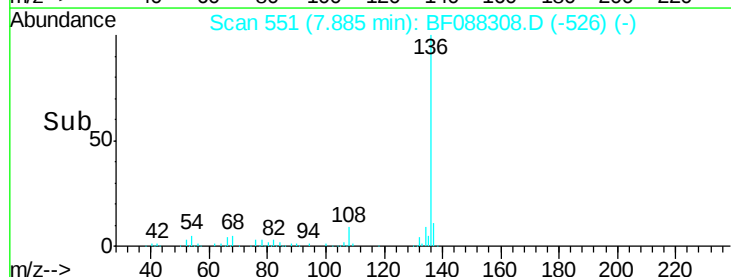
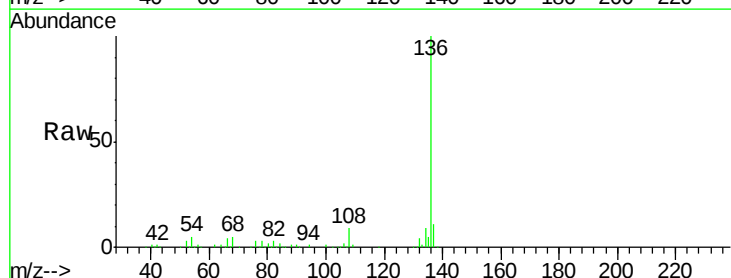
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.4 6.6 10.0#

68 4.7 5.1 7.7#

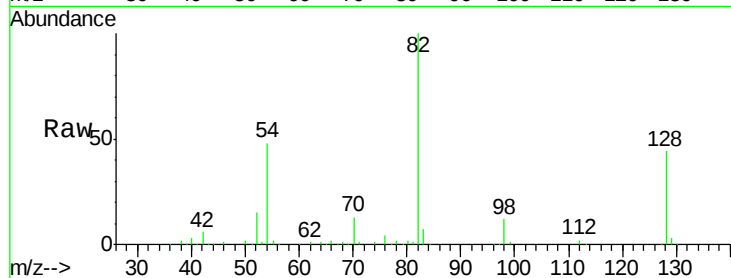




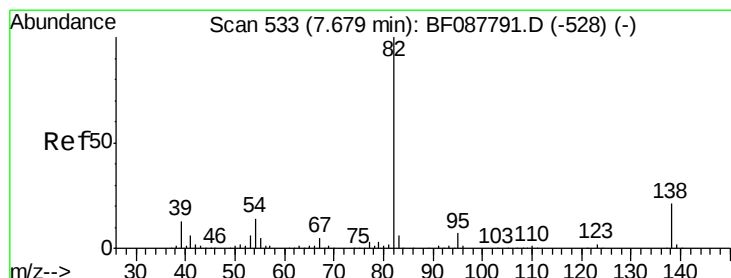
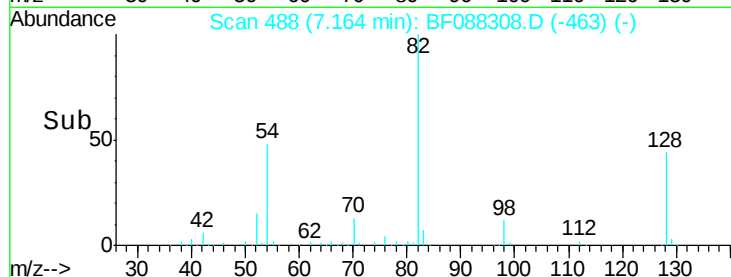
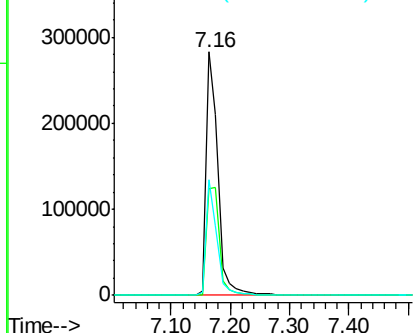
#23
 Nitrobenzene-d5
 Concen: 71.91 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

Tgt Ion: 82 Resp: 390827
 Ion Ratio Lower Upper
 82 100
 128 43.9 35.9 53.9
 54 47.7 40.9 61.3

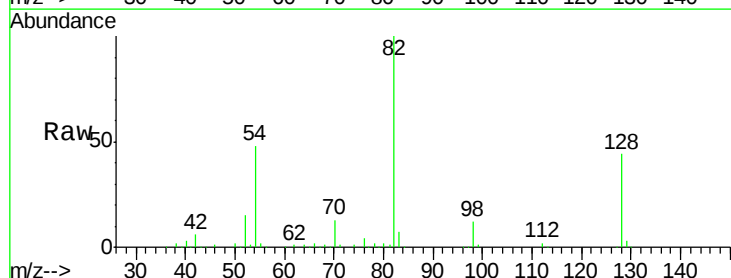


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

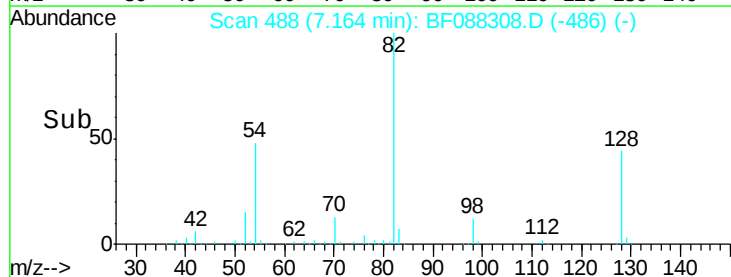
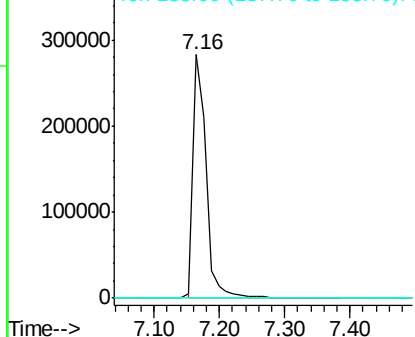


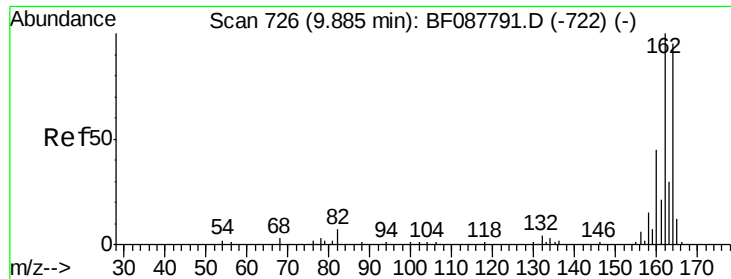
#25
 Isophorone
 Concen: 38.49 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.27 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Tgt Ion: 82 Resp: 387458
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

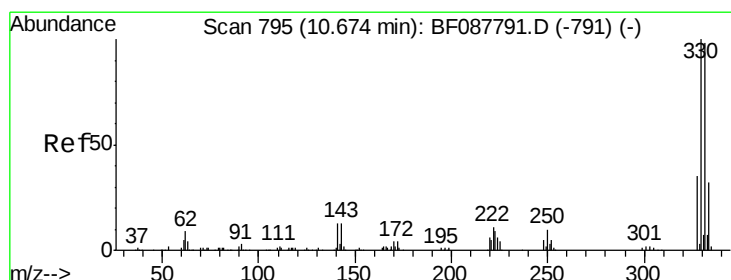
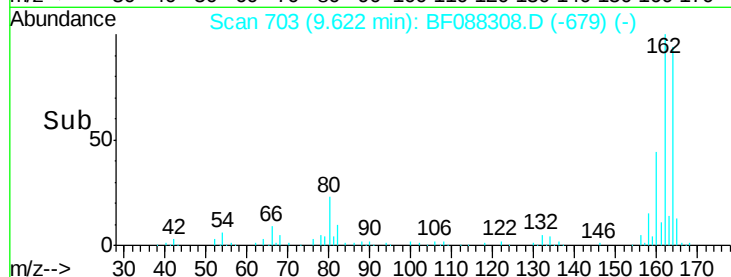
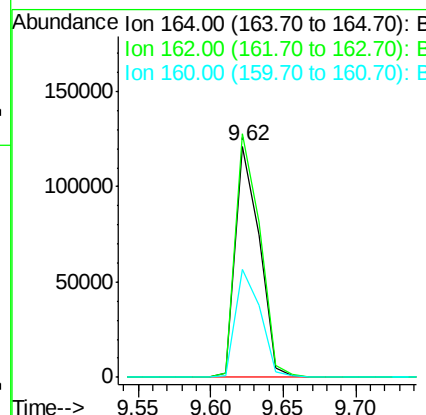
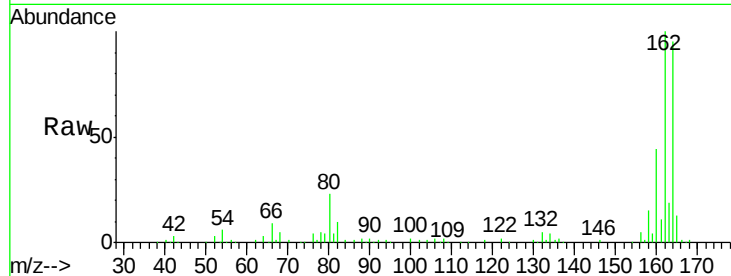




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

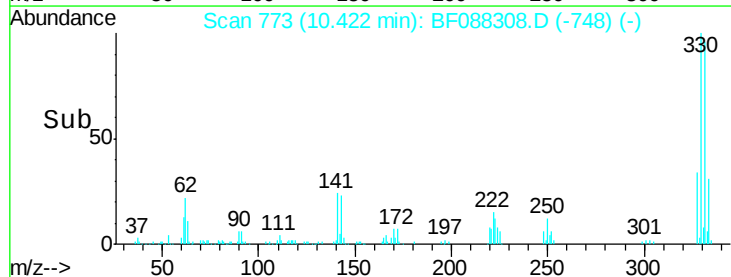
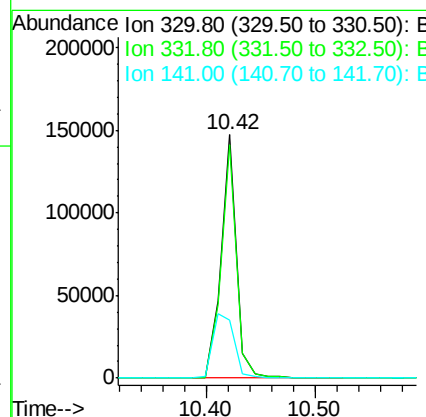
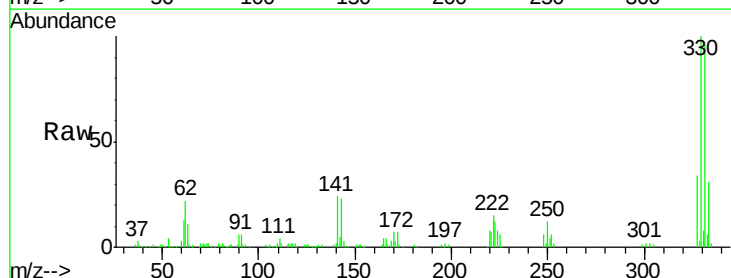
Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

Tgt Ion:164 Resp: 140145
Ion Ratio Lower Upper
164 100
162 105.4 85.4 128.2
160 46.5 39.5 59.3



#41
2,4,6-Tribromophenol
Concen: 99.98 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion:330 Resp: 147947
Ion Ratio Lower Upper
330 100
332 95.9 0.0 0.0#
141 37.0 0.0 0.0#





#44

2-Fluorobiphenyl

Concen: 76.66 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)

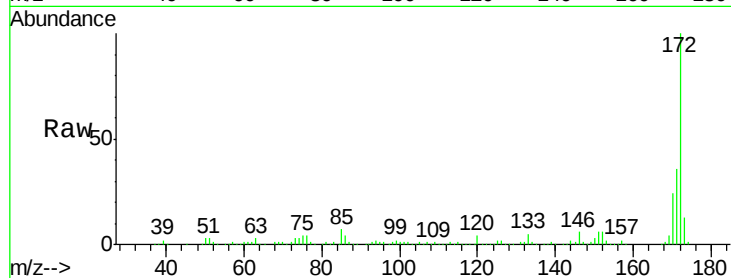
Tgt Ion:172 Resp: 688726

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

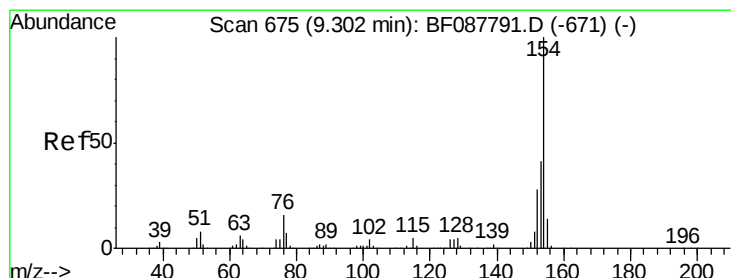
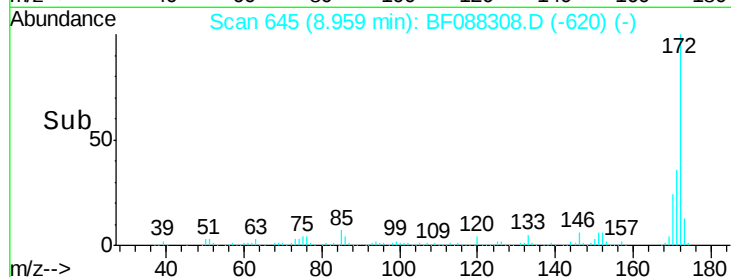
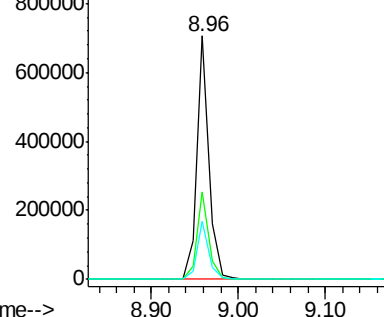
170 24.0 19.2 28.8



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. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

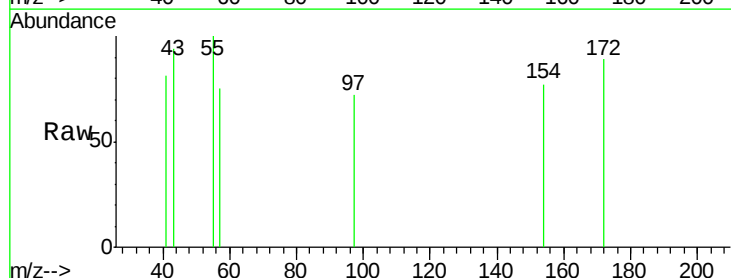
Tgt Ion:154 Resp: 243

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

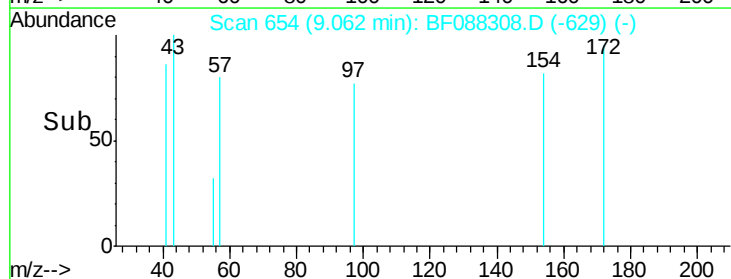
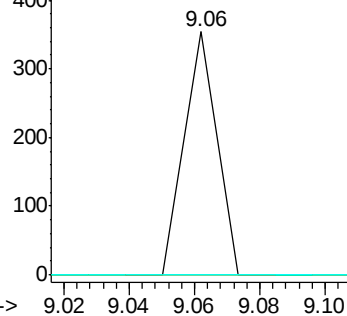
76 0.0 0.0 35.1

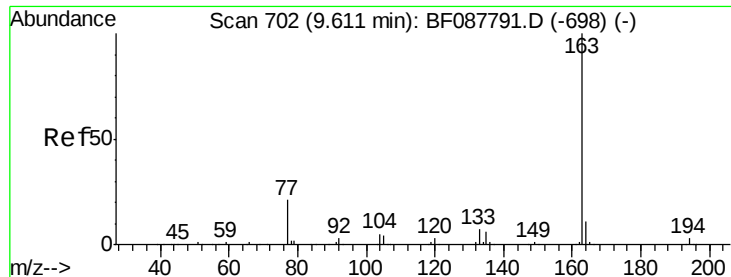


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 19.50 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

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SB-2(0-6)

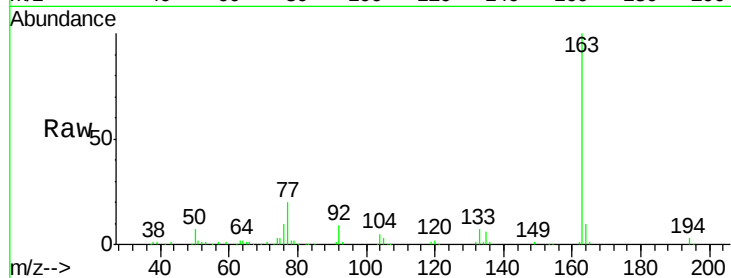
Tgt Ion:163 Resp: 197921

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

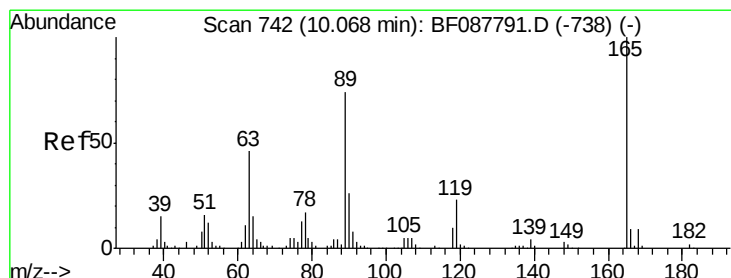
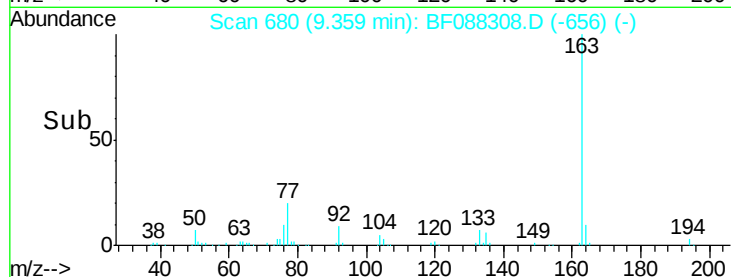
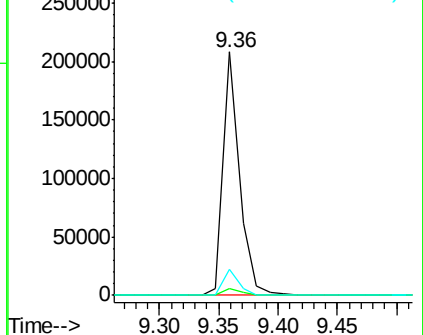
164 10.5 8.3 12.5



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: 6.12 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.23 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Tgt Ion:165 Resp: 18284

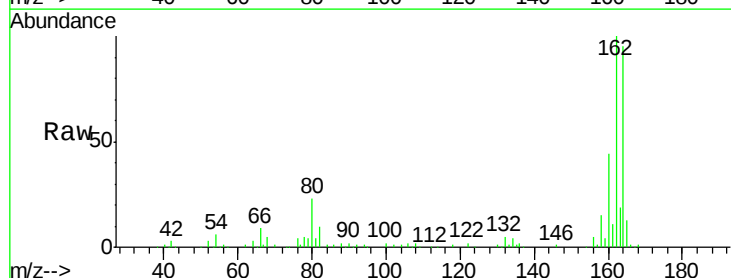
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 2.0 41.1 61.7#

182 0.0 2.0 3.0#

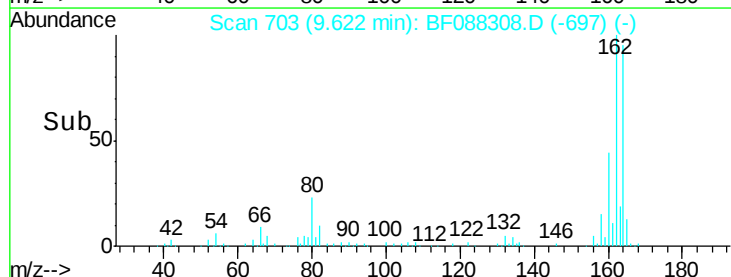
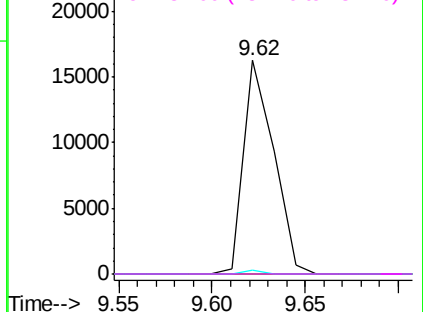


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

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SB-2(0-6)

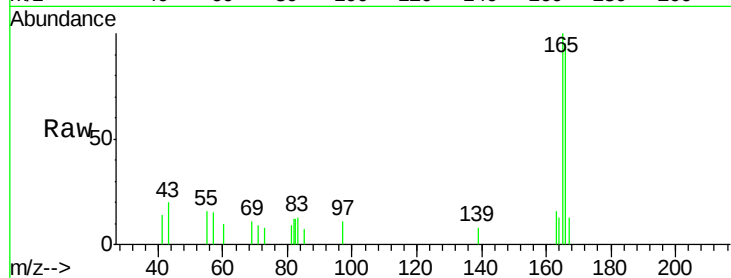
Tgt Ion:166 Resp: 7332

Ion Ratio Lower Upper

166 100

165 105.1 77.8 116.8

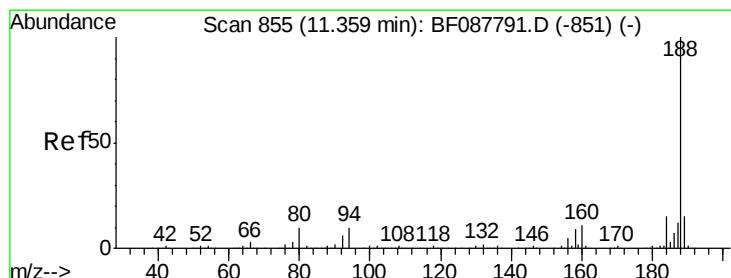
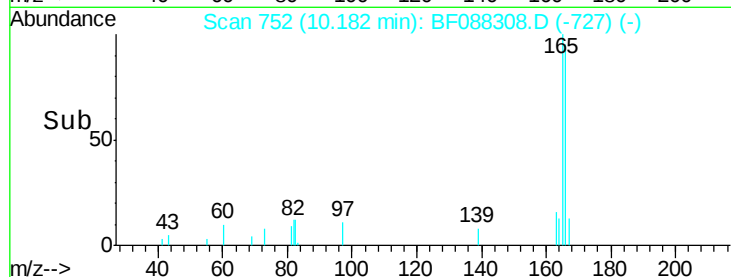
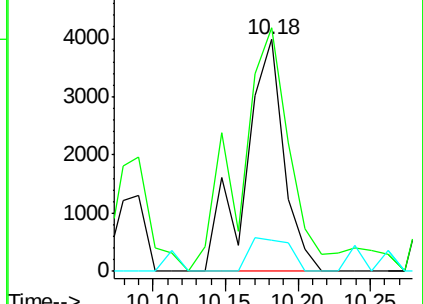
167 13.5 11.2 16.8



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. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

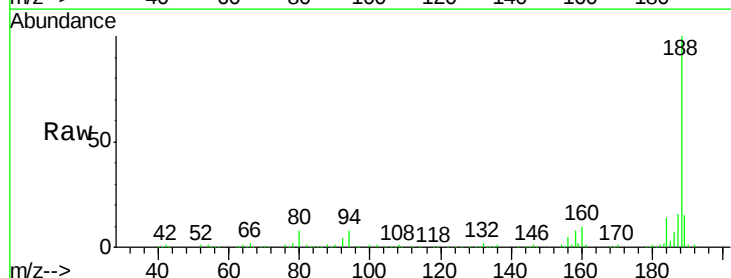
Tgt Ion:188 Resp: 235422

Ion Ratio Lower Upper

188 100

94 7.8 9.0 13.6#

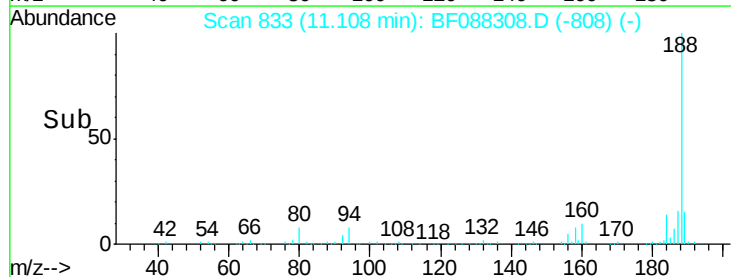
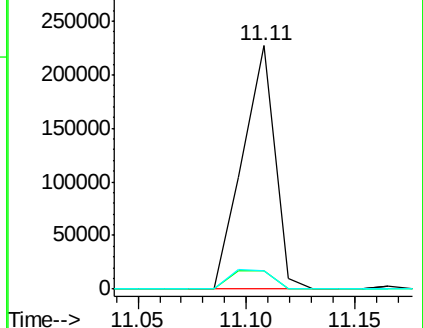
80 7.6 10.0 15.0#

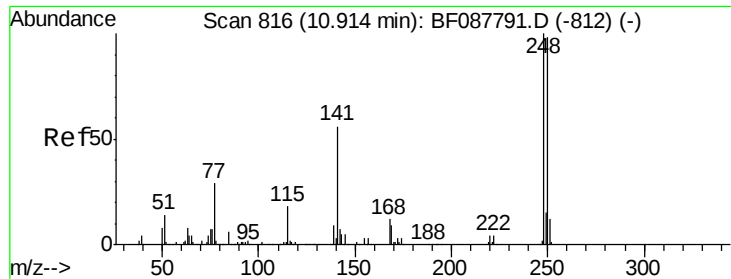


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

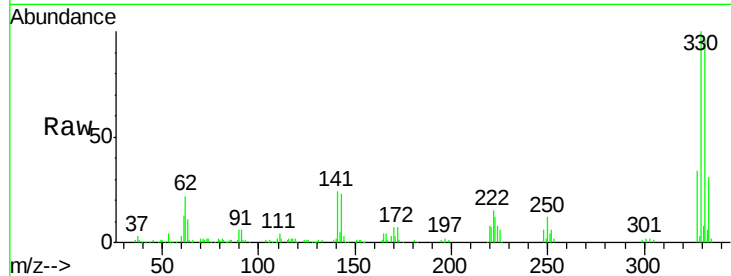




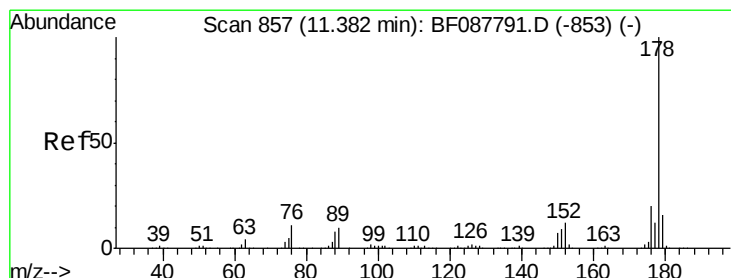
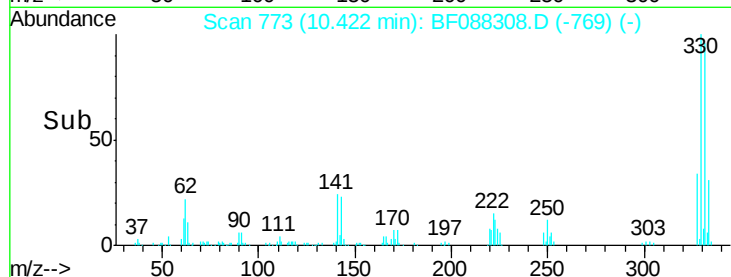
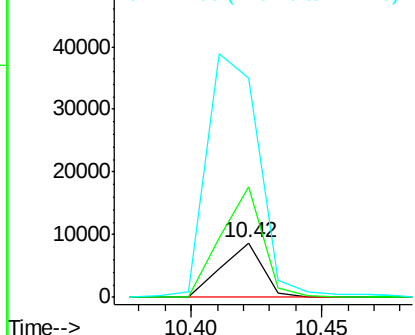
#66
4-Bromophenyl-phenylether
Concen: 3.82 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

Tgt Ion:248 Resp: 9642
Ion Ratio Lower Upper
248 100
250 202.7 77.1 115.7#
141 401.6 50.6 76.0#

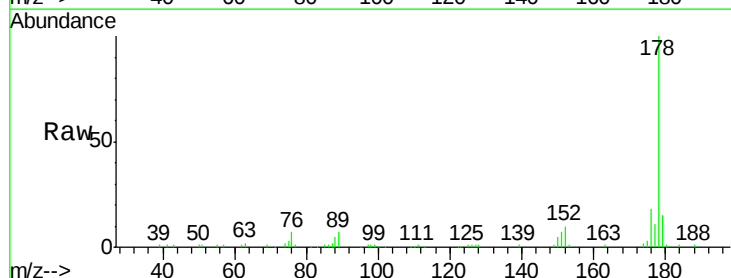


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

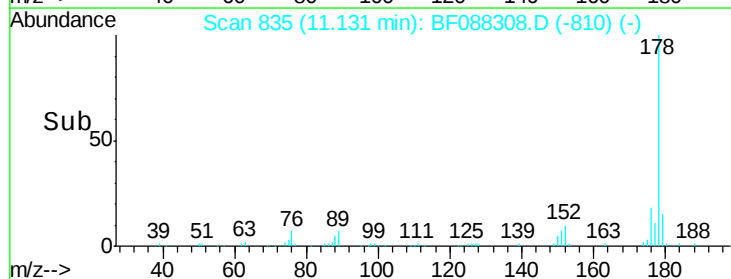
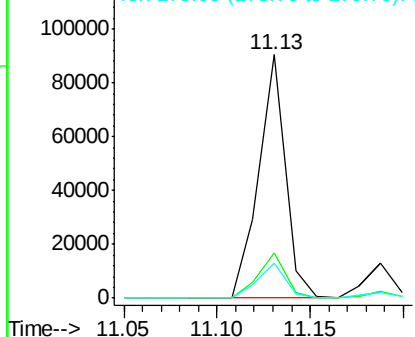


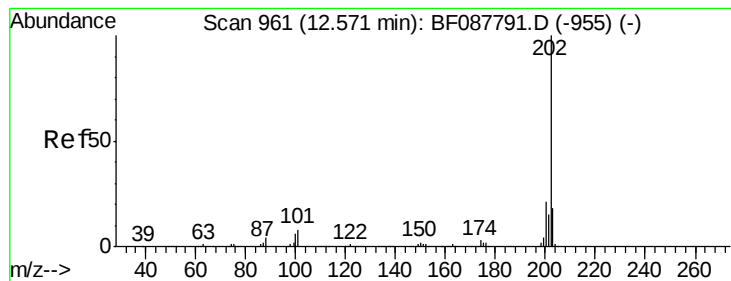
#70
Phenanthrene
Concen: 7.28 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion:178 Resp: 89979
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.5 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: 8.71 ng

RT: 12.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)

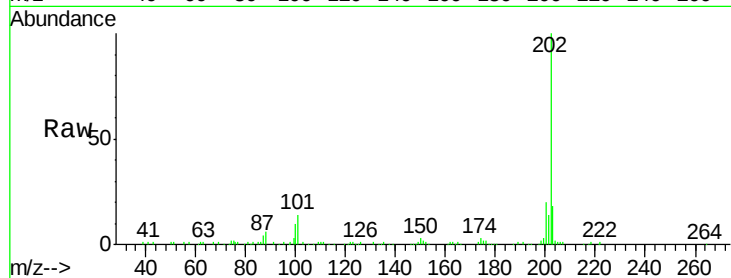
Tgt Ion:202 Resp: 113565

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.1

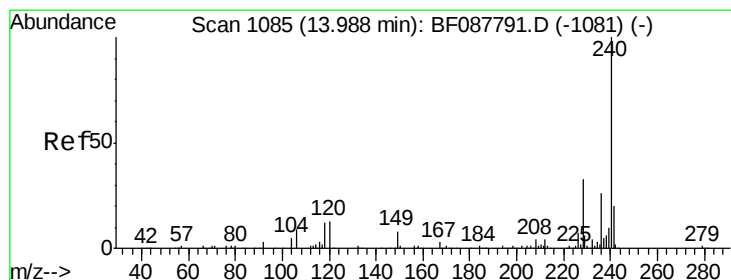
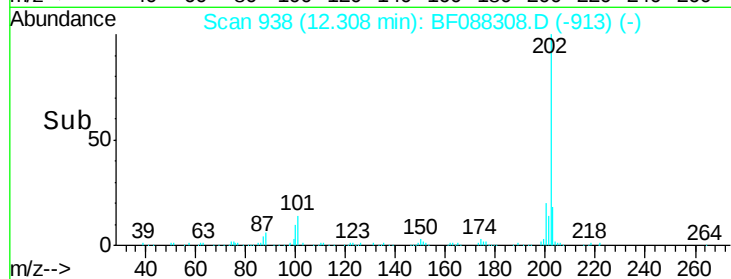
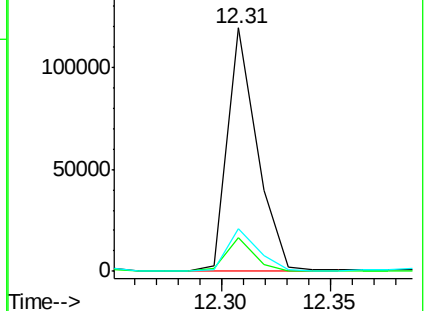
203 17.7 0.0 38.1



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: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

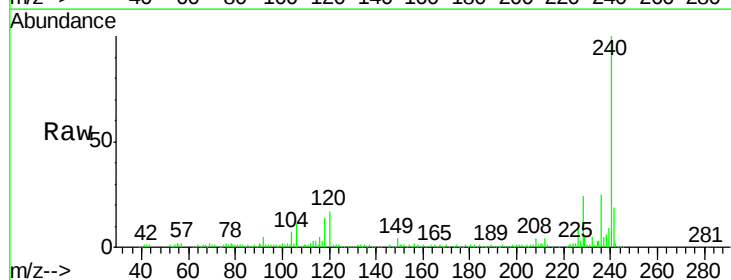
Tgt Ion:240 Resp: 163332

Ion Ratio Lower Upper

240 100

120 16.9 6.8 10.2#

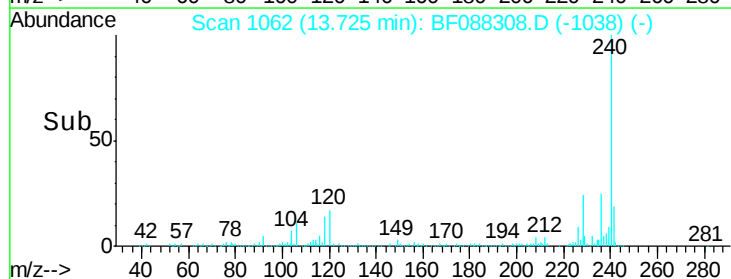
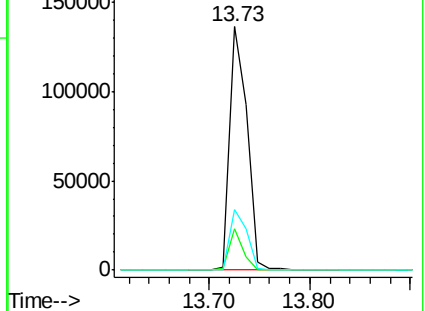
236 24.7 20.2 30.2

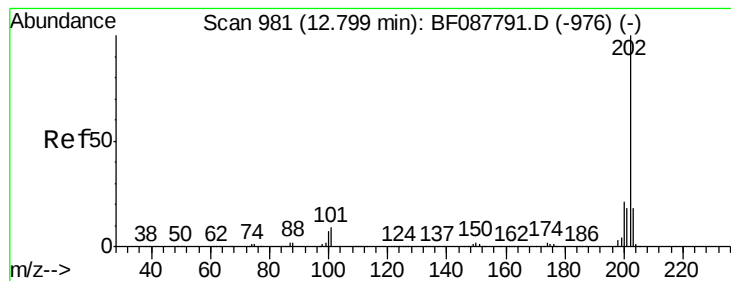


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.93 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)

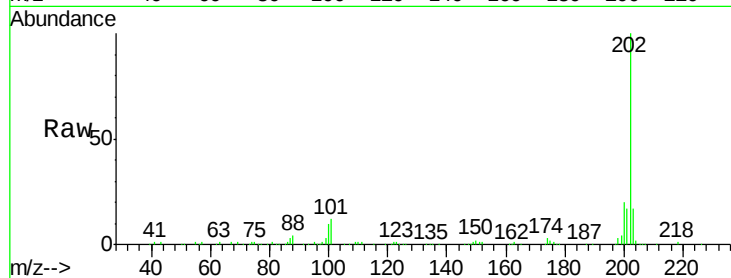
Tgt Ion:202 Resp: 132501

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

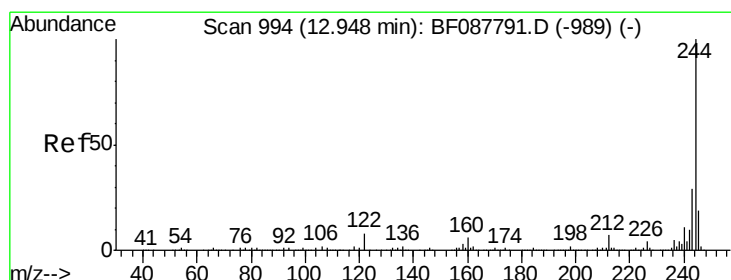
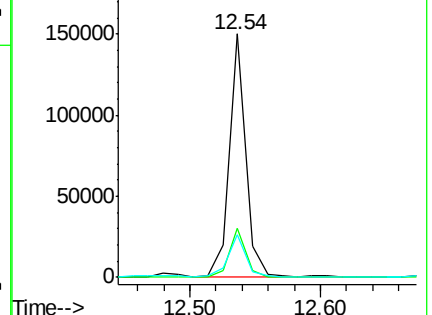
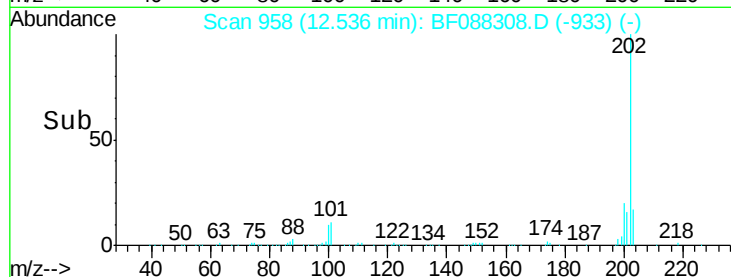
203 17.4 14.5 21.7



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: 68.98 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

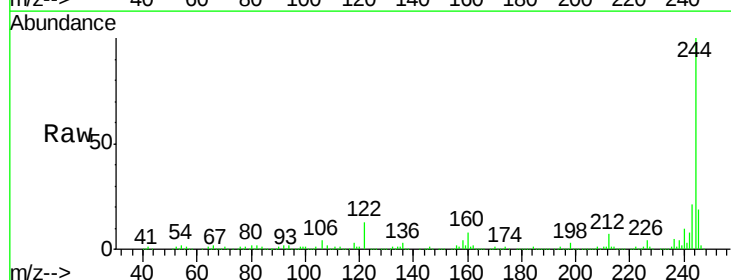
Tgt Ion:244 Resp: 495089

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

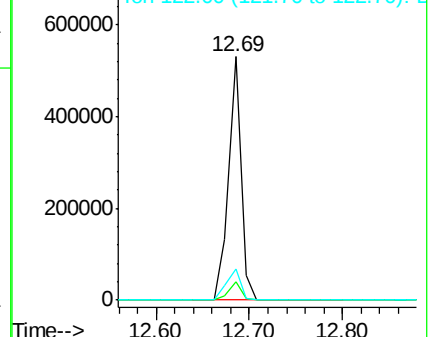
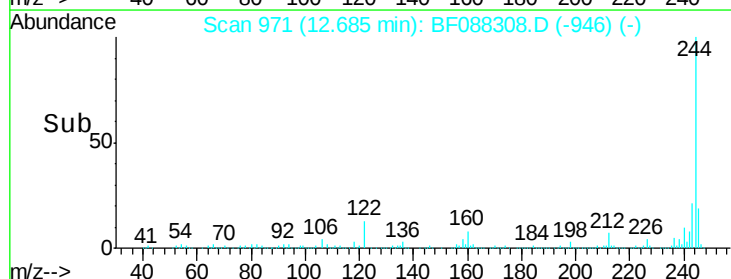
122 12.9 11.2 16.8

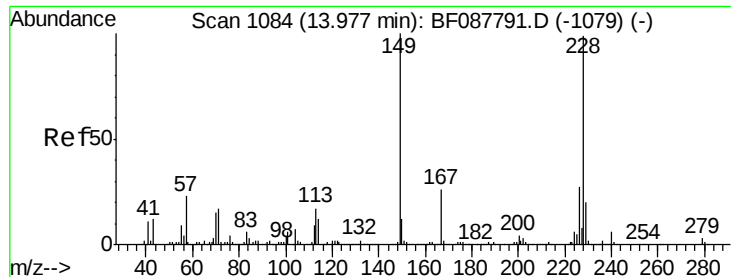


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.80 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.02 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)

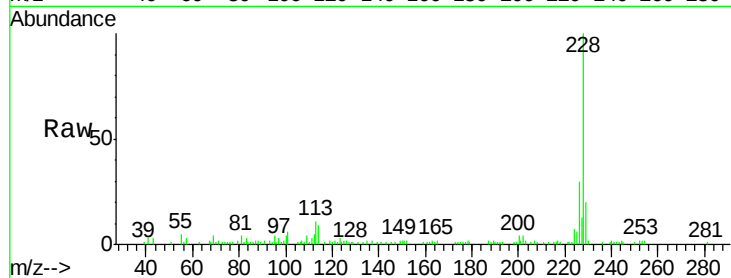
Tgt Ion:228 Resp: 53949

Ion Ratio Lower Upper

228 100

226 30.0 22.3 33.5

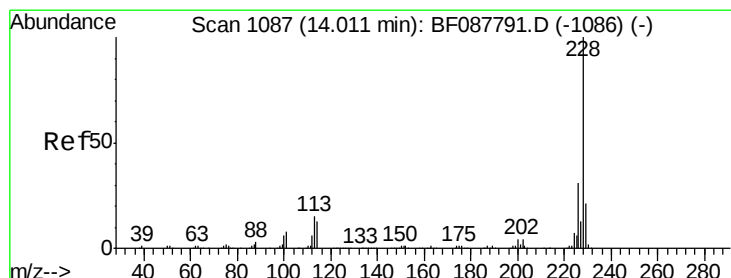
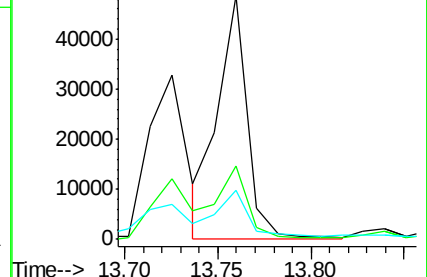
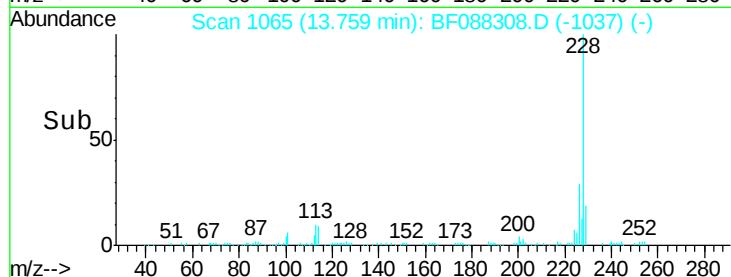
229 20.2 16.0 24.0



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: 6.16 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

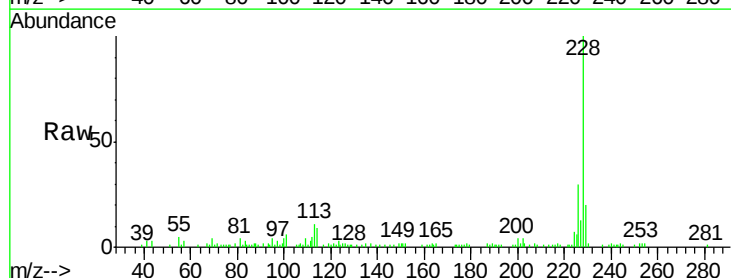
Tgt Ion:228 Resp: 53949

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

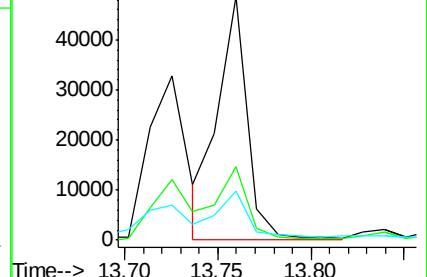
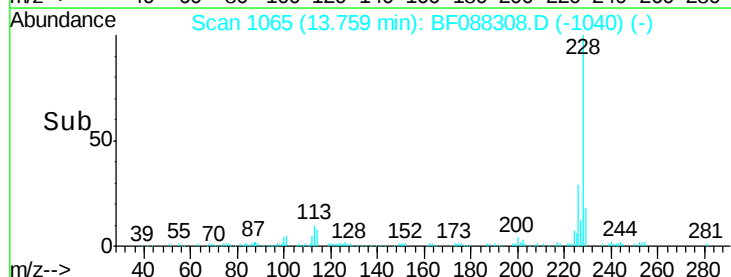
229 20.2 16.3 24.5

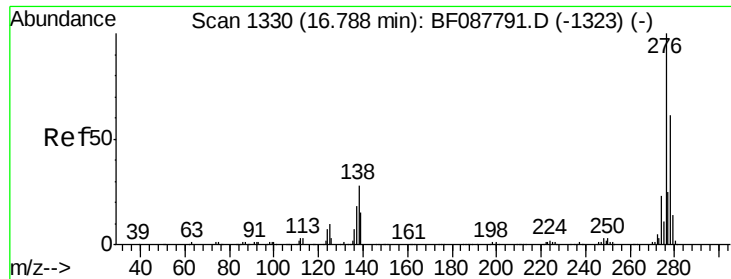


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

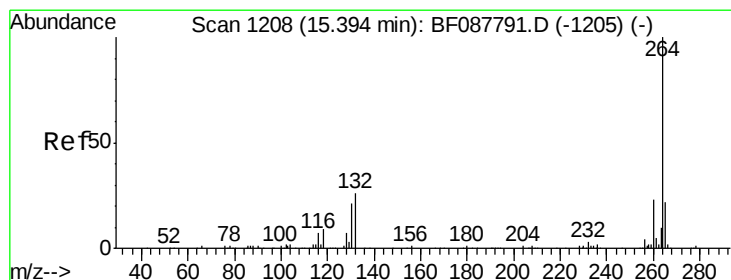
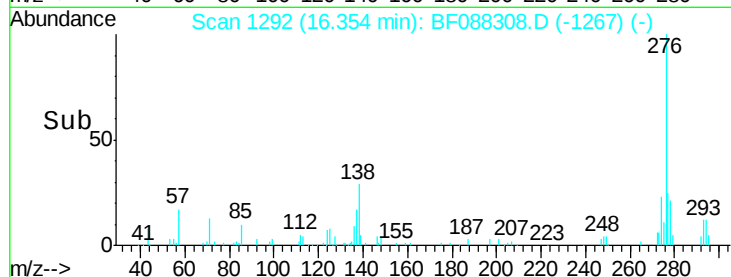
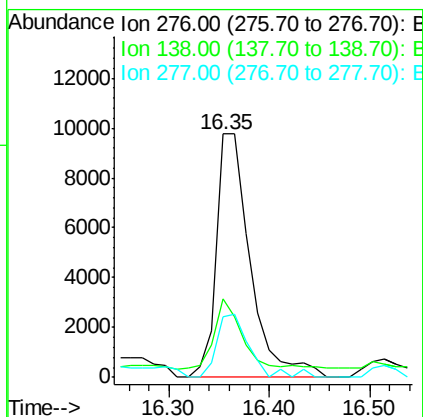
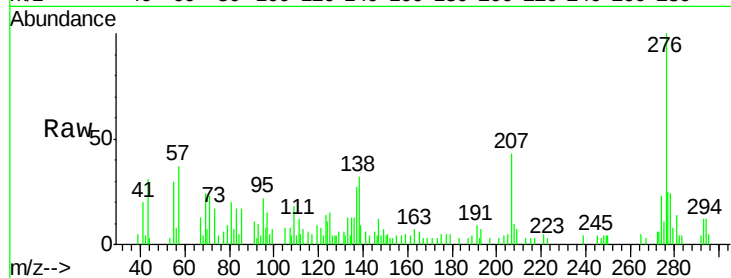




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.81 ng
 RT: 16.35 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

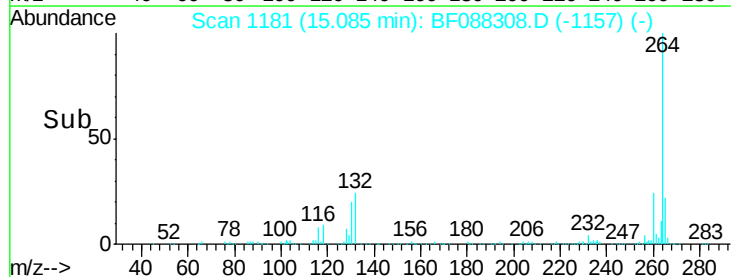
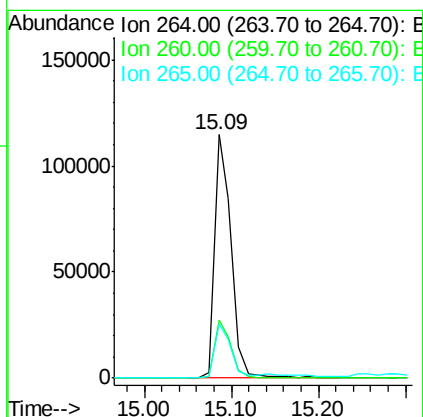
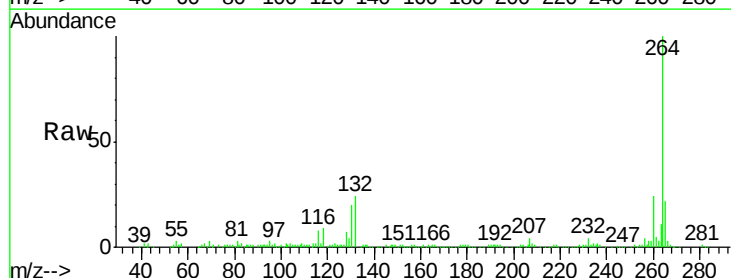
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-6)

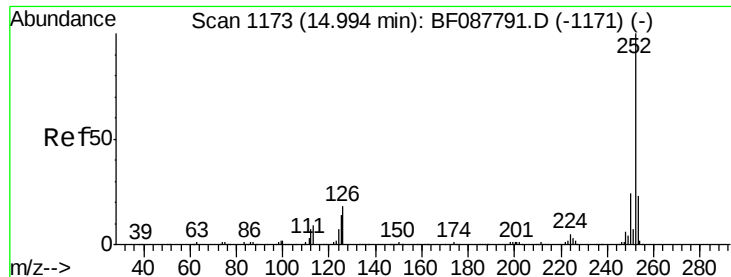
Tgt Ion: 276 Resp: 22888
 Ion Ratio Lower Upper
 276 100
 138 22.9 0.0 0.0#
 277 25.0 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088308.D
 Acq: 24 Jun 2016 00:36

Tgt Ion: 264 Resp: 153927
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.2 16.9 25.3

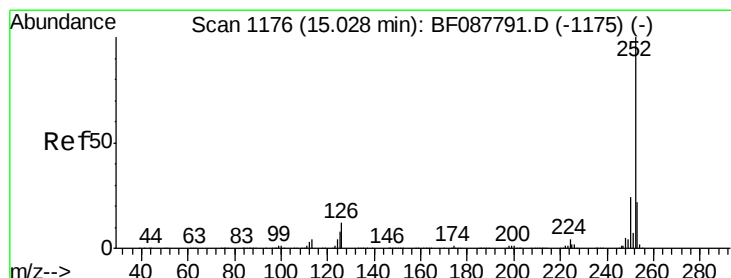
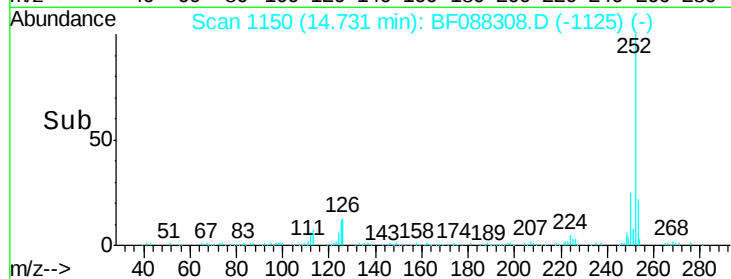
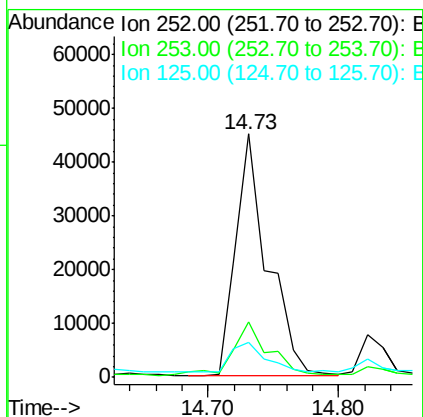
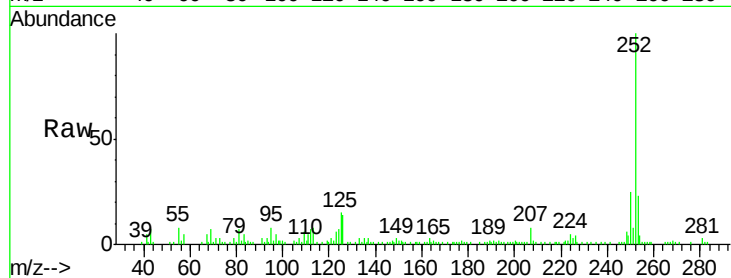




#87
Benzo(b)fluoranthene
Concen: 7.04 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

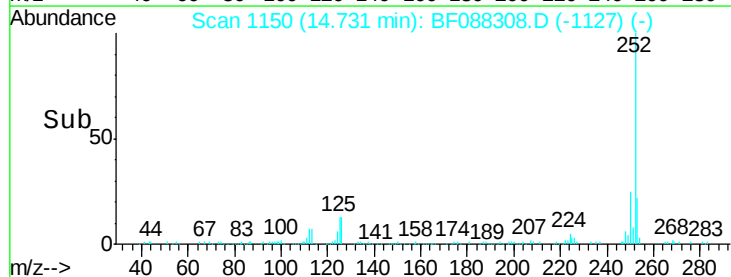
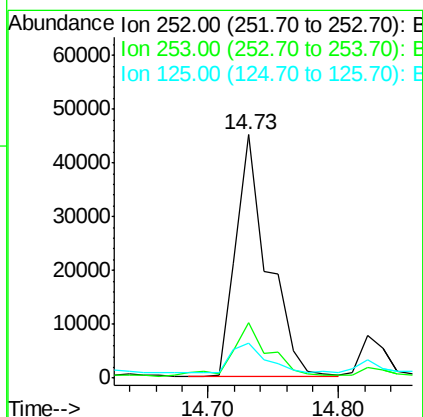
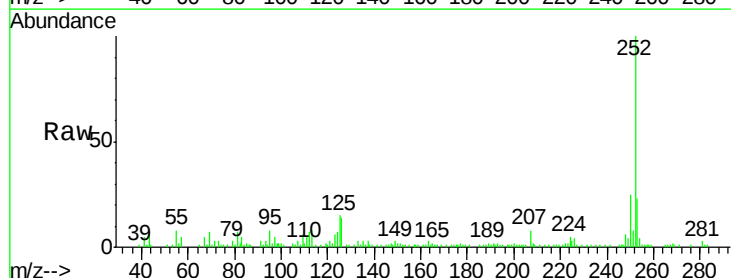
Instrument :
BNA_F
ClientSampleId :
SB-2(0-6)

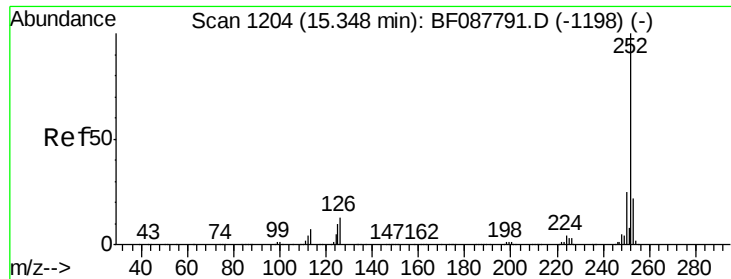
Tgt Ion:252 Resp: 75481
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 14.6 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 9.33 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF088308.D
Acq: 24 Jun 2016 00:36

Tgt Ion:252 Resp: 75481
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 14.6 11.2 16.8





#89

Benzo(a)pyrene

Concen: 4.48 ng

RT: 15.04 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

Instrument :

BNA_F

ClientSampleId :

SB-2(0-6)

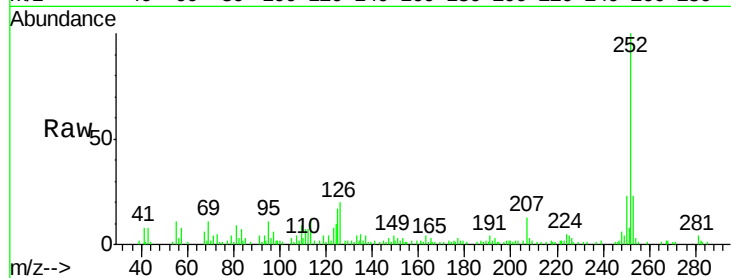
Tgt Ion:252 Resp: 38895

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

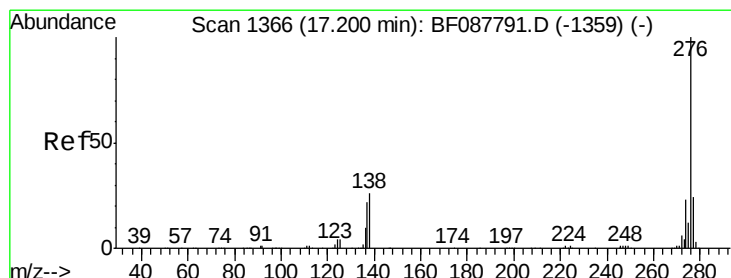
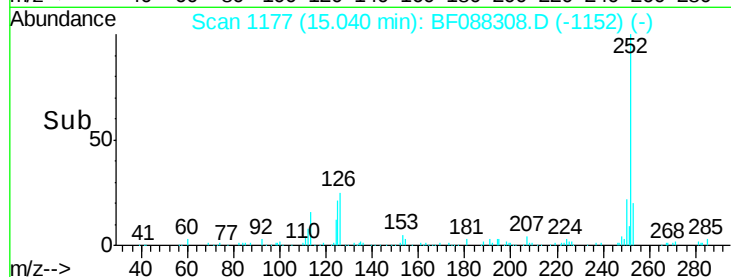
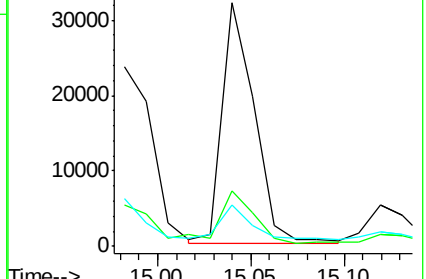
125 17.2 12.5 18.7



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: 2.73 ng

RT: 16.74 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF088308.D

Acq: 24 Jun 2016 00:36

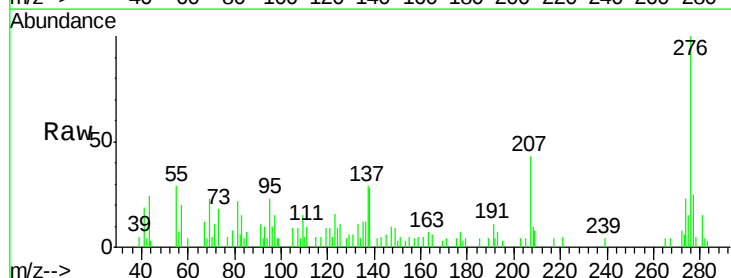
Tgt Ion:276 Resp: 22612

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 28.2 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

