

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
 Data File : BF087188.D
 Acq On : 19 May 2016 14:59
 Operator : UM/SJ
 Sample : H3119-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 18:11:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	121041	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	450859	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	240564	20.00	ng	-0.05
63) Phenanthrene-d10	11.09	188	425779	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	297042	20.00	ng	-0.05
86) Perylene-d12	15.06	264	279835	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	22228	3.09	ng	-0.02
7) Phenol-d6	6.24	99	114138	11.82	ng	-0.05
23) Nitrobenzene-d5	7.14	82	98021	10.84	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	3643	1.37	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	170666	11.75	ng	-0.05
78) Terphenyl-d14	12.66	244	154334	11.75	ng	-0.05

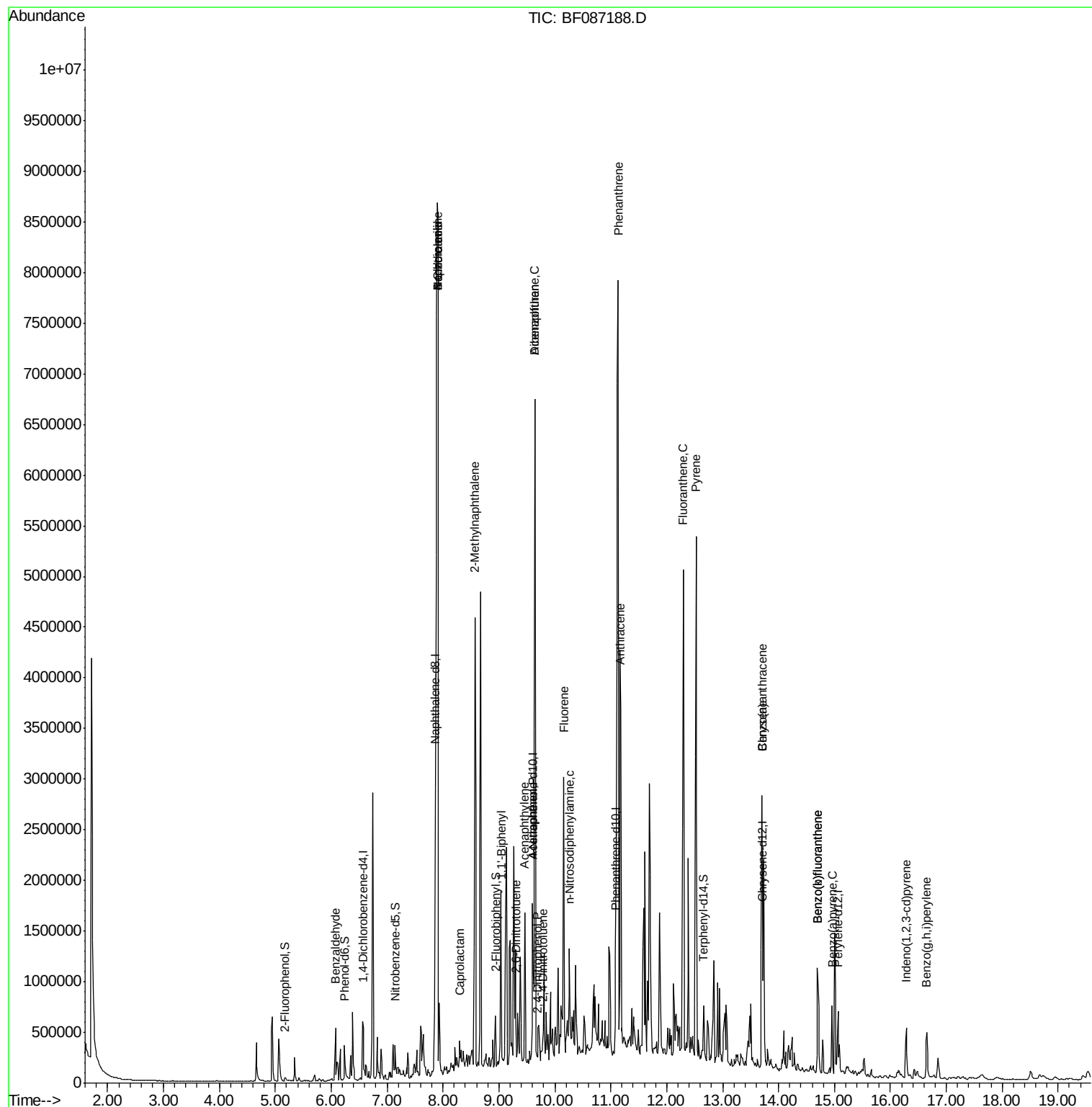
Target Compounds						Qvalue
9) Benzaldehyde	6.08	77	38697	5.73	ng	# 1
31) Naphthalene	7.91	128	9258994	420.29	ng	# 94
32) Benzoic acid	7.91	122	27626	6.64	ng	# 1
33) 4-Chloroaniline	7.91	127	1445306	157.85	ng	# 39
35) Caprolactam	8.30	113	7336	3.58	ng	# 1
37) 2-Methylnaphthalene	8.57	142	1616684	114.73	ng	# 94
45) 1,1'-Biphenyl	9.04	154	726130	36.40	ng	# 99
48) Acenaphthylene	9.46	152	399003	17.06	ng	# 96
50) 2,6-Dinitrotoluene	9.30	165	8819	2.21	ng	# 83
51) Acenaphthene	9.64	154	1777438	121.67	ng	# 98
53) 2,4-Dinitrophenol	9.69	184	240	4.84	ng	# 1
54) Dibenzofuran	9.64	168	48708	2.58	ng	# 98
55) 4-Nitrophenol	9.60	139	11380	8.97	ng	# 90
56) 2,4-Dinitrotoluene	9.78	165	10771	2.11	ng	# 58
57) Fluorene	10.16	166	1338416	88.18	ng	# 98
65) n-Nitrosodiphenylamine	10.26	169	41643	3.11	ng	# 1
70) Phenanthrene	11.13	178	5513173	238.74	ng	# 97
71) Anthracene	11.18	178	2270015	97.19	ng	# 99
74) Fluoranthene	12.30	202	2232507	96.49	ng	# 98
77) Pvrene	12.53	202	3200478	149.14	ng	# 98
80) Benzo(a)anthracene	13.70	228	1061071	61.78	ng	# 76
82) Chrysene	13.70	228	1061071	63.85	ng	# 79
85) Indeno(1,2,3-cd)pyrene	16.29	276	309196	21.20	ng	# 88
87) Benzo(b)fluoranthene	14.70	252	789643	42.54	ng	# 99
88) Benzo(k)fluoranthene	14.70	252	789643	57.13	ng	# 98
89) Benzo(a)pyrene	14.96	252	366005	23.59	ng	# 98
91) Benzo(g,h,i)perylene	16.65	276	349522	26.49	ng	# 91

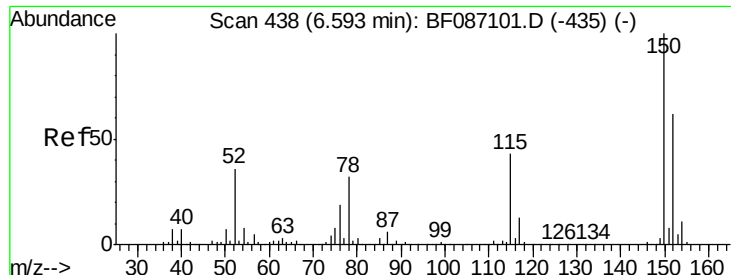
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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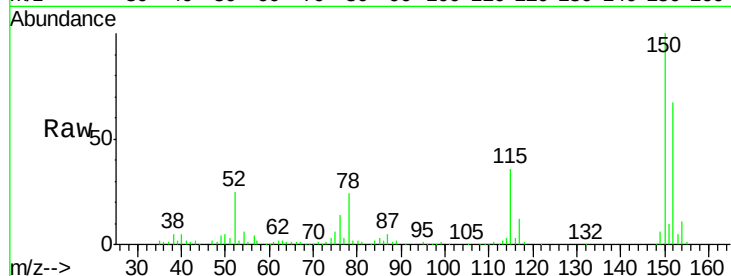


#1

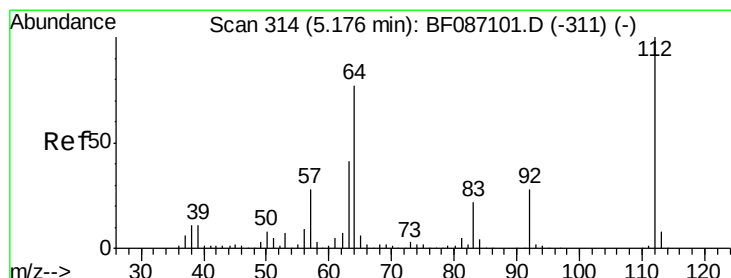
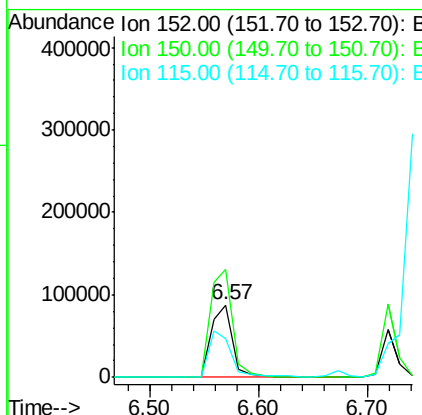
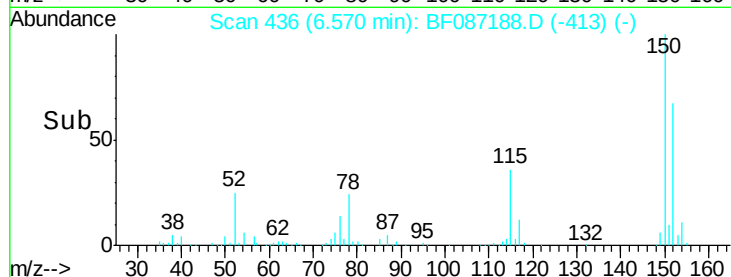
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	125.8	188.6
115	54.6	51.5	77.3



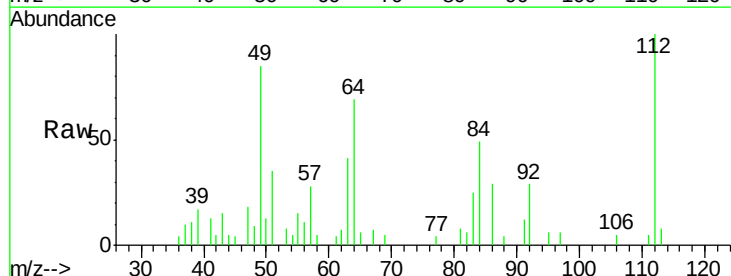
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



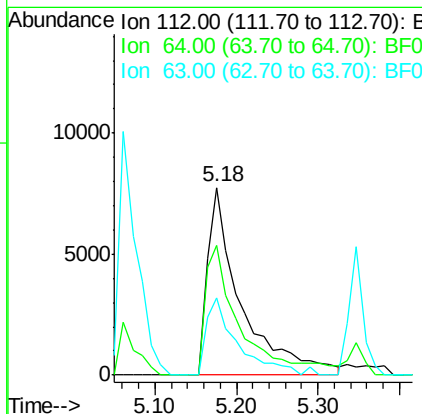
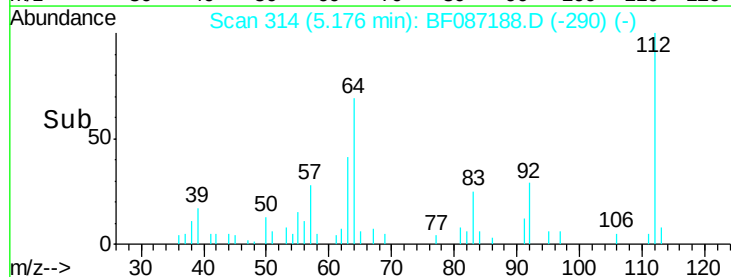
#5

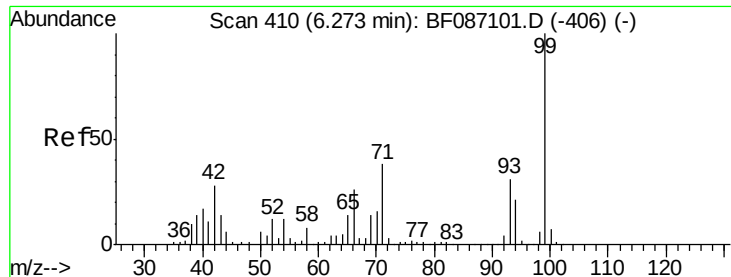
2-Fluorophenol
Concen: 3.09 ng
RT: 5.18 min Scan# 314
Delta R.T. -0.02 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	52.1	78.1
63	40.8	25.7	38.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.82 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

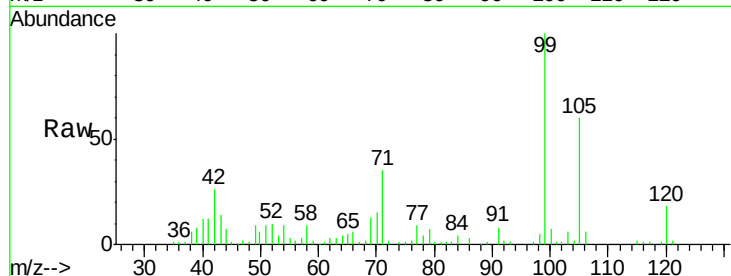
Tot Ion: 99 Resp: 114138

Ion Ratio Lower Upper

99 100

42 26.3 13.6 20.4#

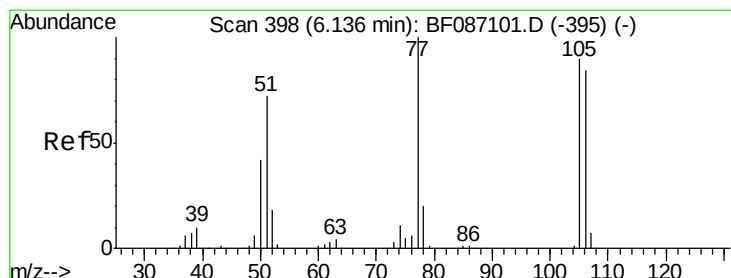
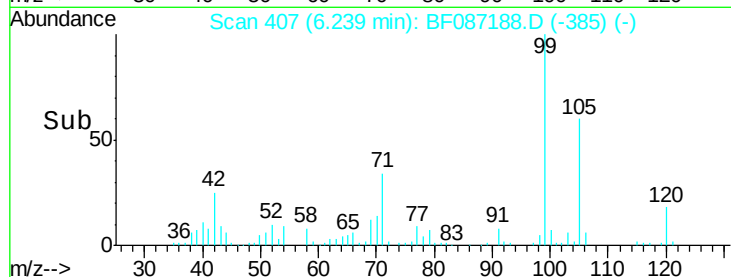
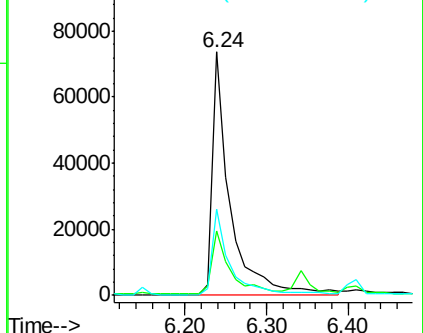
71 35.3 24.6 36.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 5.73 ng

RT: 6.08 min Scan# 393

Delta R.T. -0.07 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

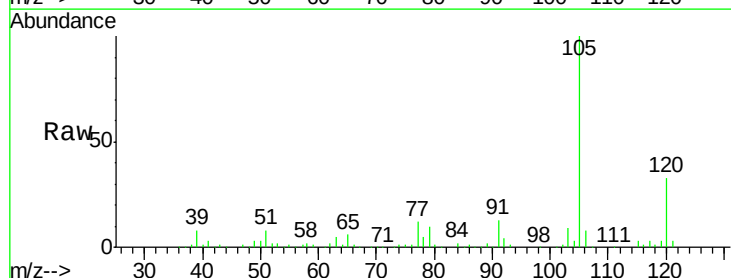
Tgt Ion: 77 Resp: 38697

Ion Ratio Lower Upper

77 100

105 853.2 72.7 112.7#

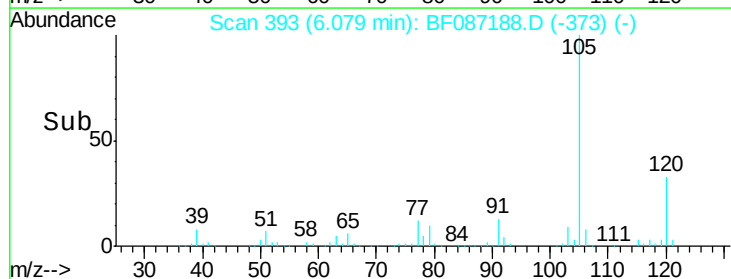
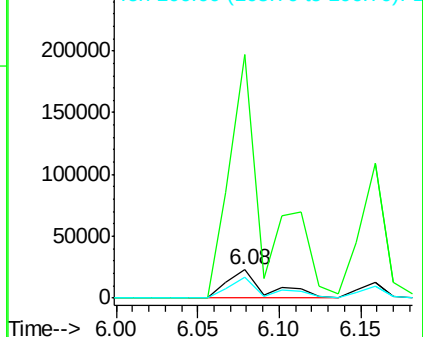
106 72.1 70.8 110.8

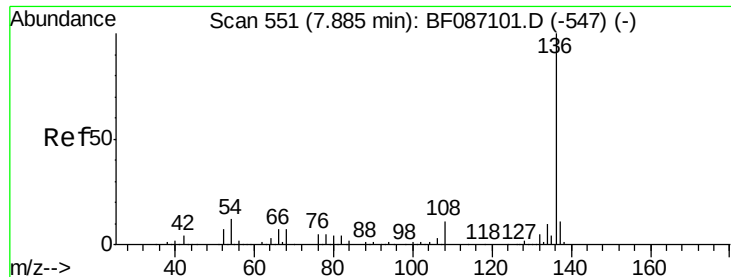


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF087188.D

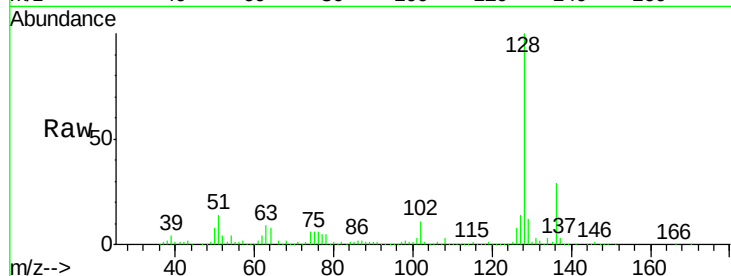
Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	450859
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	12.1	5.0 7.4#
68	6.6	4.4 6.6#

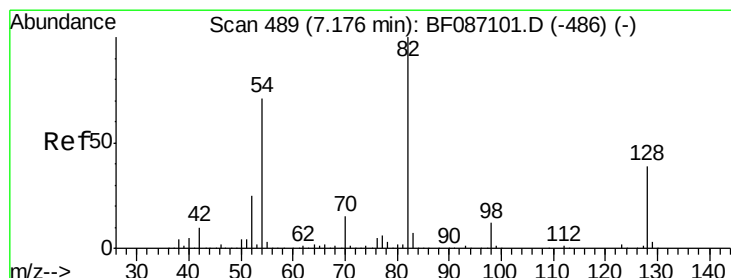
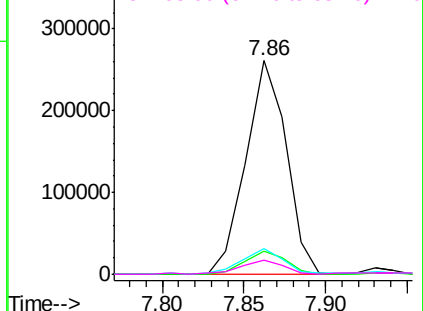
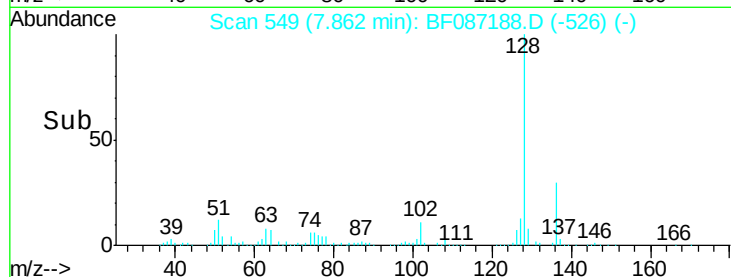


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 10.84 ng

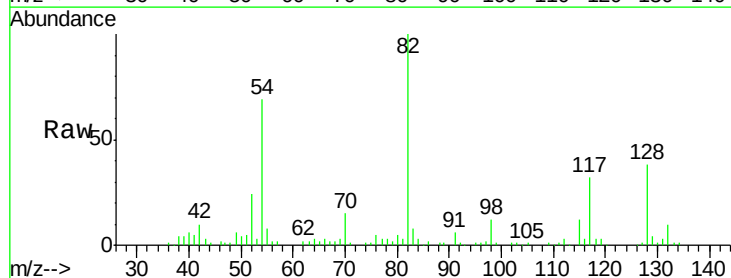
RT: 7.14 min Scan# 486

Delta R.T. -0.05 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

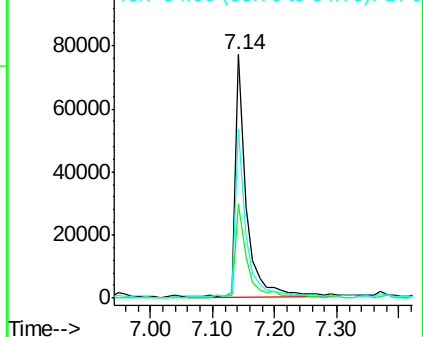
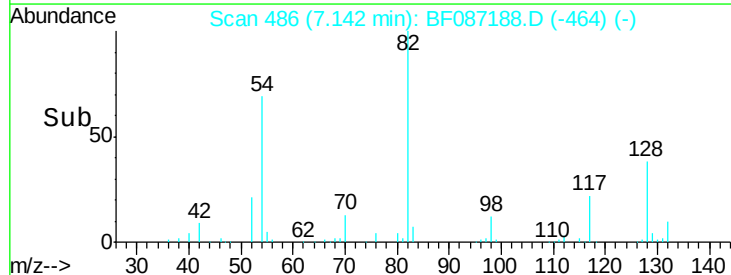
Tgt Ion: 82	Resp:	98021
Ion Ratio	Lower	Upper
82	100	
128	38.4	40.6 61.0#
54	69.4	38.1 57.1#

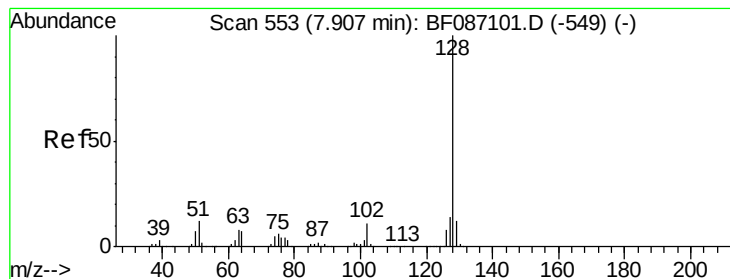


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 420.29 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

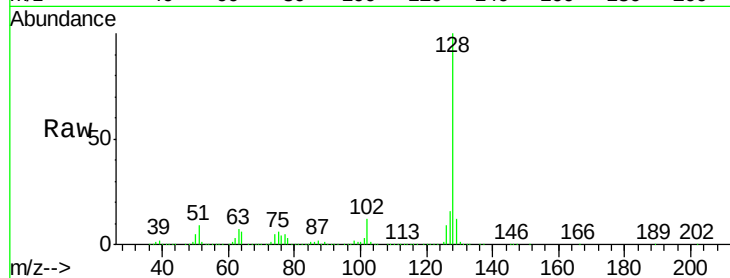
Tot Ion:128 Resp: 9258994

Ion Ratio Lower Upper

128 100

129 12.5 8.6 13.0

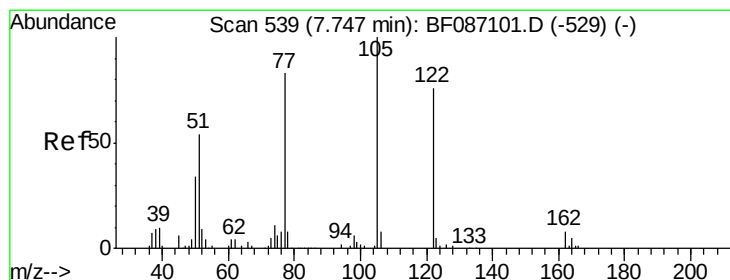
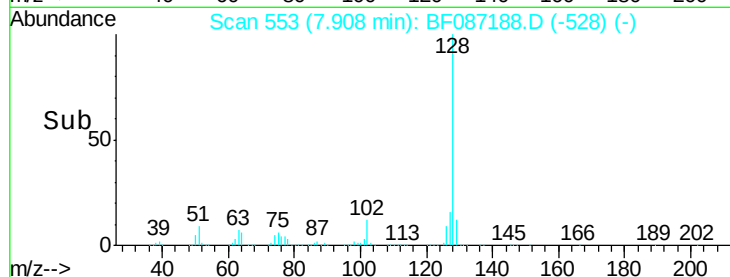
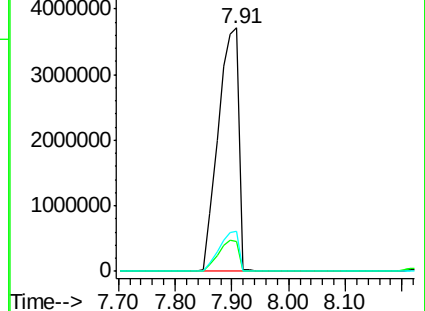
127 16.4 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.64 ng

RT: 7.91 min Scan# 553

Delta R.T. 0.16 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

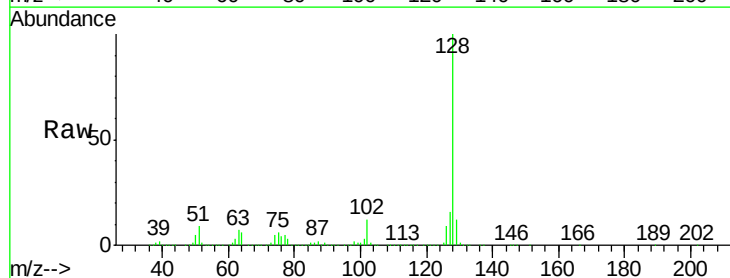
Tgt Ion:122 Resp: 27626

Ion Ratio Lower Upper

122 100

105 6.6 92.6 132.6#

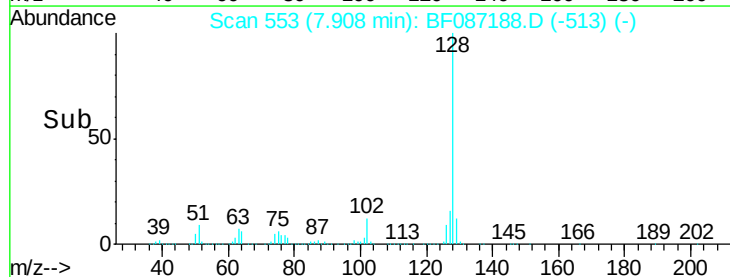
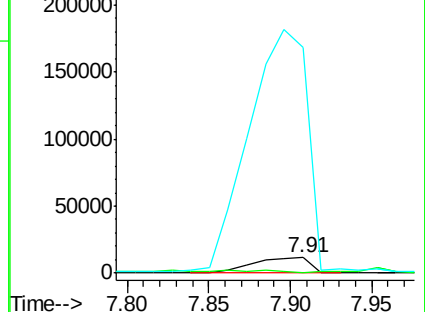
77 1458.0 60.0 100.0#

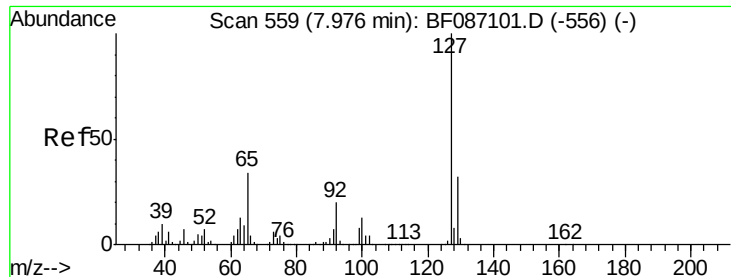


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 157.85 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 1445306

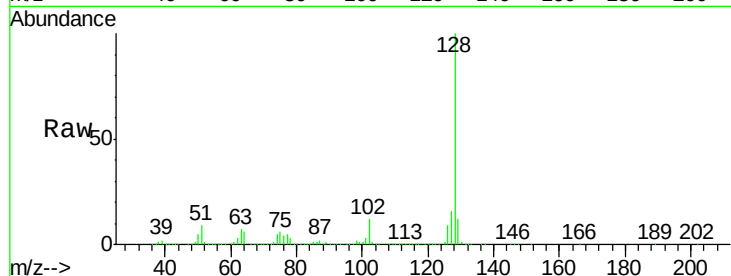
Ion Ratio Lower Upper

127 100

129 76.3 26.2 39.4#

65 0.0 23.0 34.4#

92 0.1 15.1 22.7#

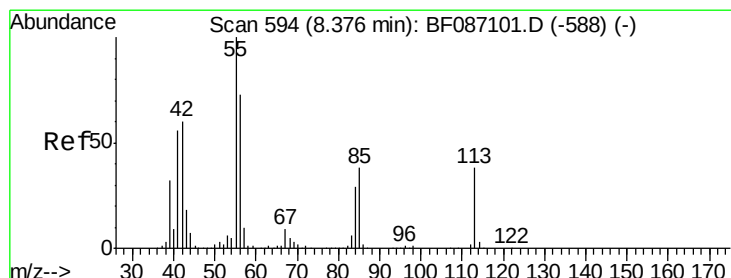
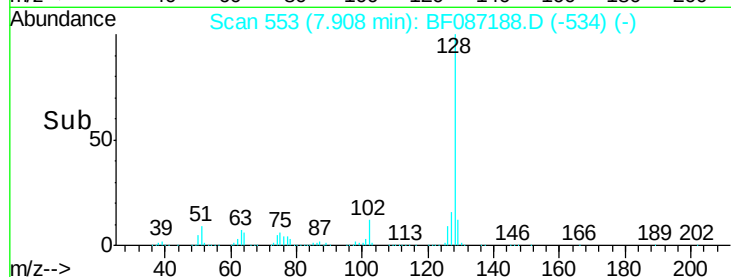
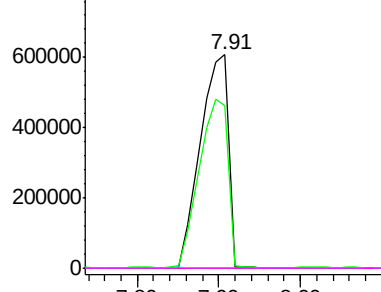


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35

Caprolactam

Concen: 3.58 ng

RT: 8.30 min Scan# 587

Delta R.T. -0.09 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

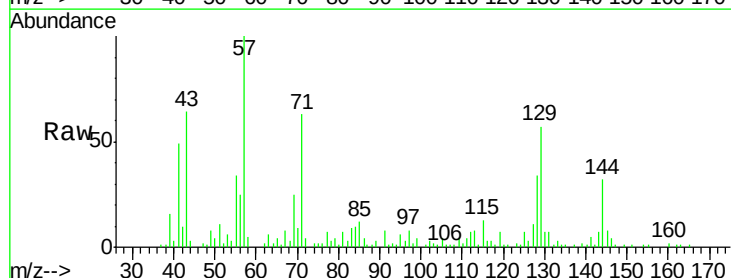
Tgt Ion:113 Resp: 7336

Ion Ratio Lower Upper

113 100

55 411.3 162.0 202.0#

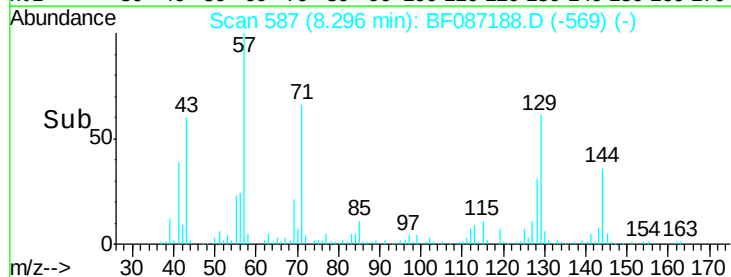
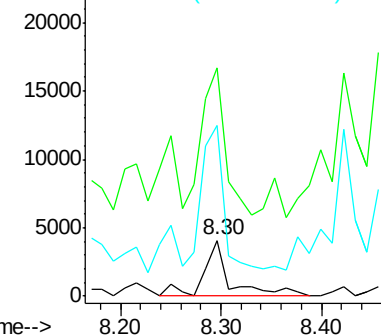
56 308.1 115.3 155.3#

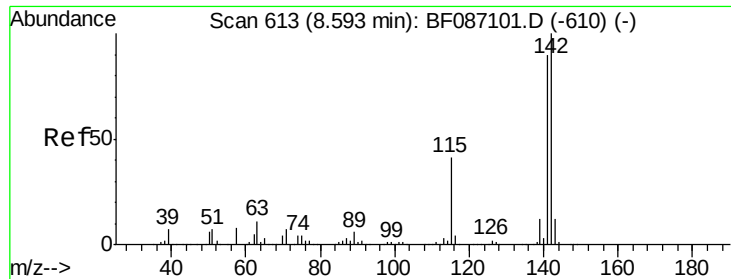


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

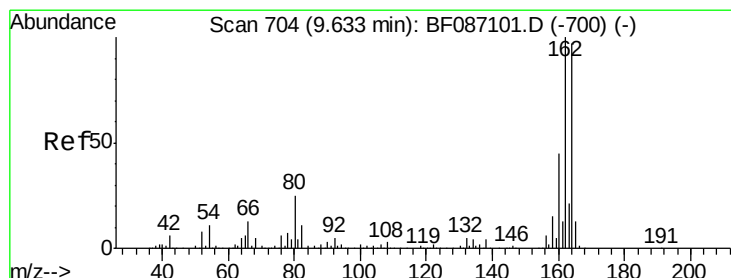
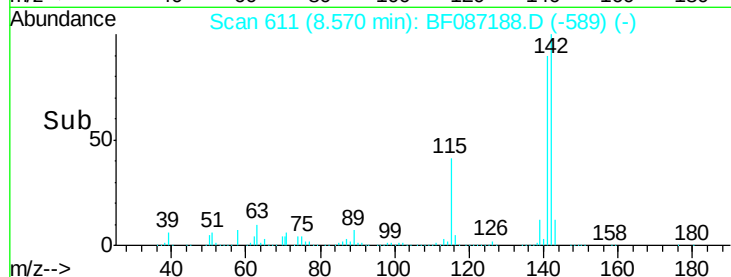
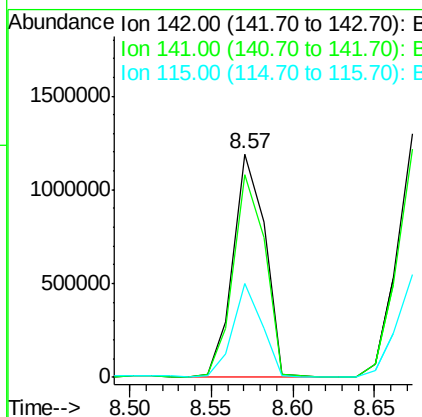
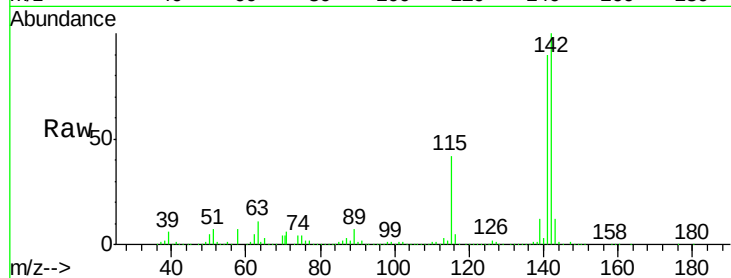




#37
2-Methylnaphthalene
Concen: 114.73 ng
RT: 8.57 min Scan# 611
Delta R.T. -0.05 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

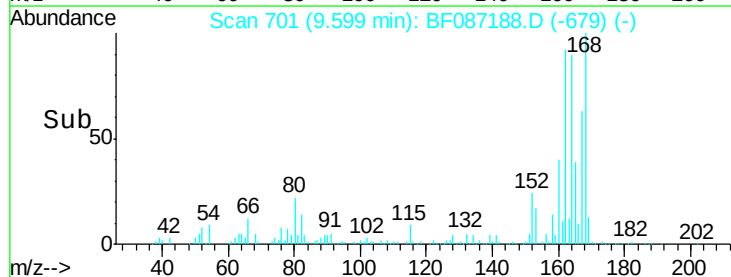
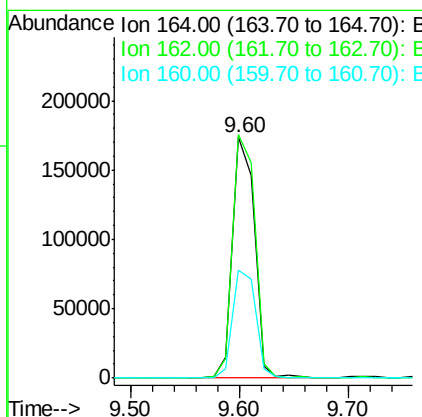
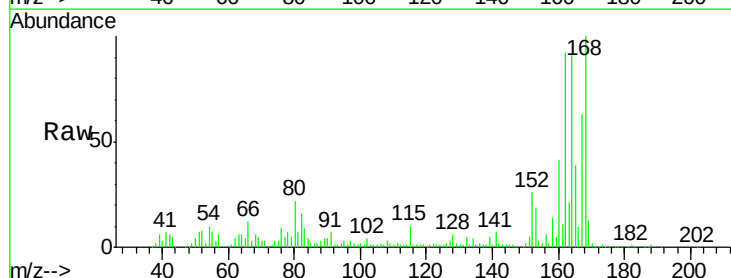
Instrument :
BNA_F
ClientSampleId :

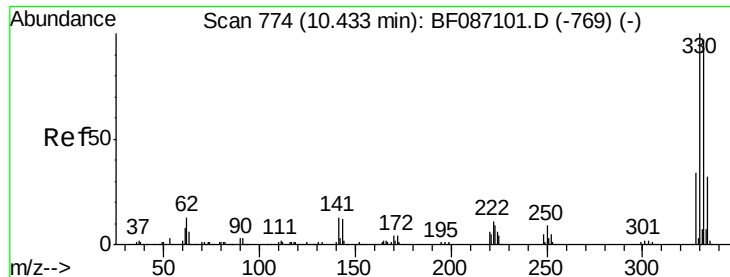
Tot Ion:142 Resp: 1616684
Ion Ratio Lower Upper
142 100
141 90.4 71.0 106.6
115 42.2 26.6 39.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.05 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

Tgt Ion:164 Resp: 240564
Ion Ratio Lower Upper
164 100
162 101.1 82.8 124.2
160 44.7 36.9 55.3

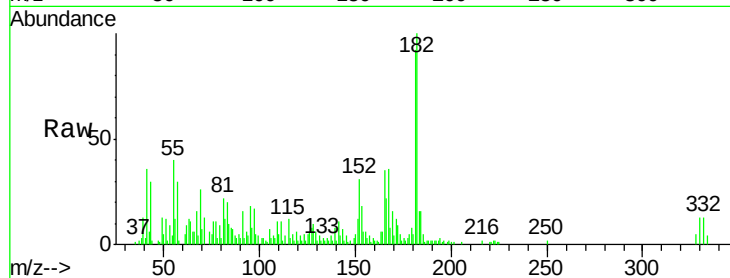




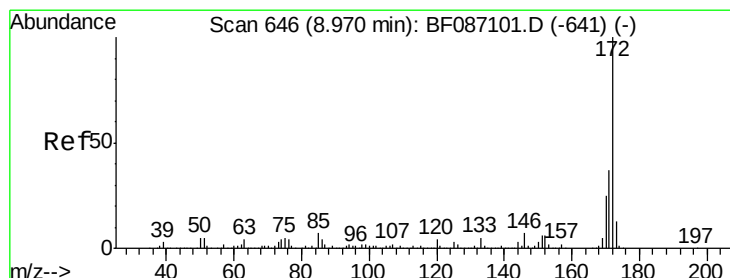
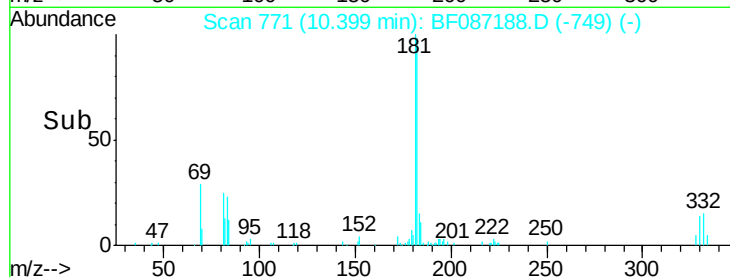
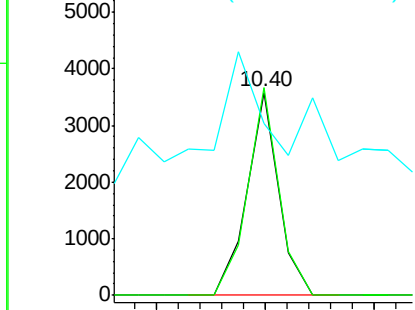
#41
 2,4,6-Tribromophenol
 Concen: 1.37 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087188.D
 Acq: 19 May 2016 14:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 3643
 Ion Ratio Lower Upper
 330 100
 332 100.4 79.0 118.4
 141 59.5 31.2 46.8#

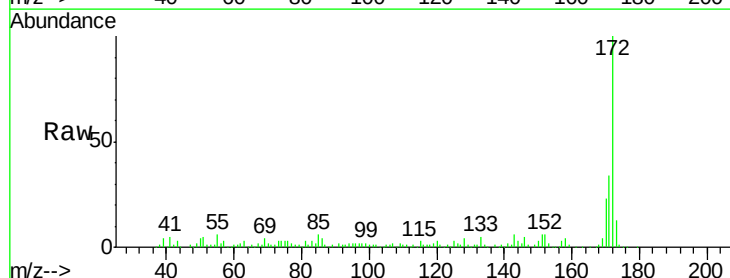


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

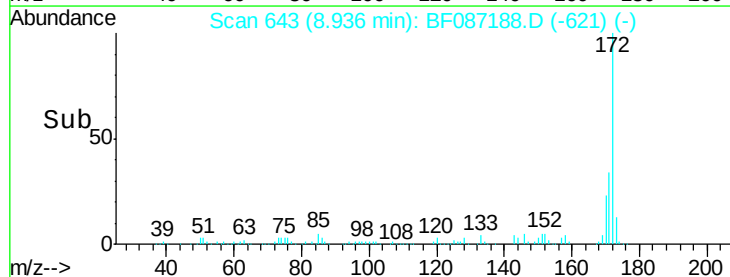
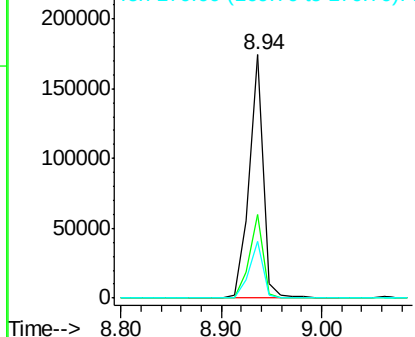


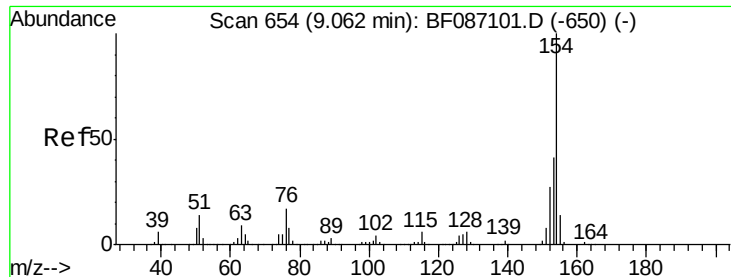
#44
 2-Fluorobiphenyl
 Concen: 11.75 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087188.D
 Acq: 19 May 2016 14:59

Tgt Ion:172 Resp: 170666
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.0 43.6
 170 23.2 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 36.40 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.03 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

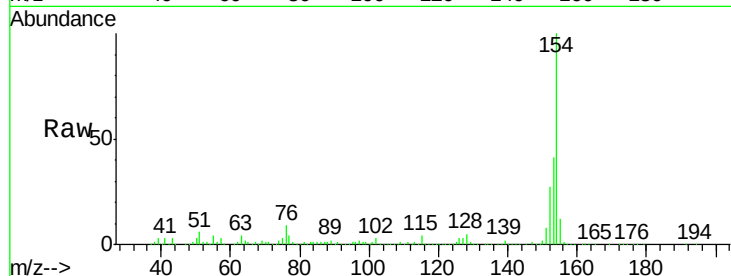
Tot Ion:154 Resp: 726130

Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

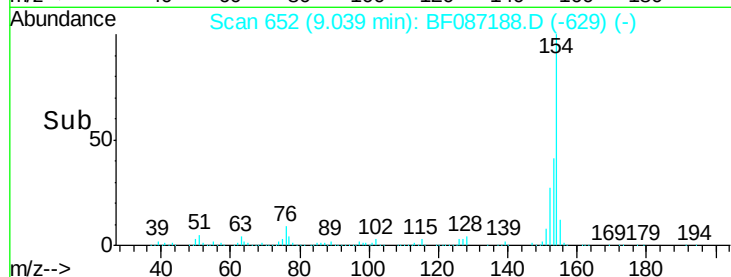
76 8.8 0.0 30.2



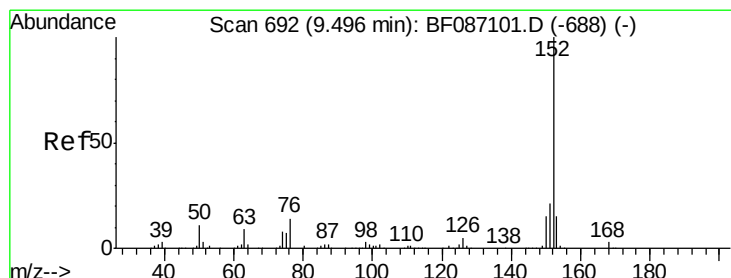
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



Time-->



#48

Acenaphthylene

Concen: 17.06 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.05 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

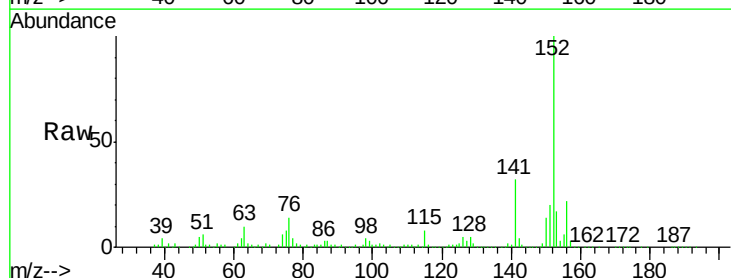
Tgt Ion:152 Resp: 399003

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

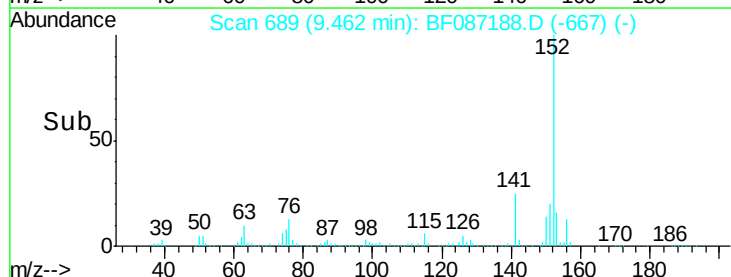
153 17.3 10.9 16.3#



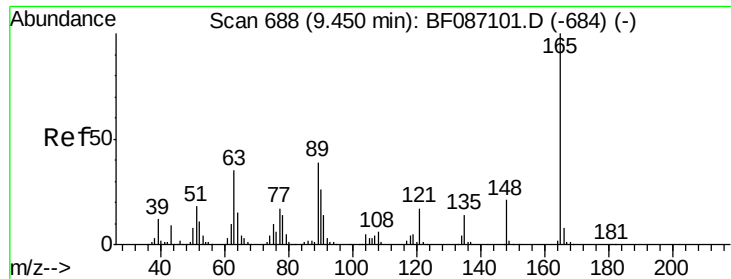
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#50

2,6-Dinitrotoluene

Concen: 2.21 ng

RT: 9.30 min Scan# 675

Delta R.T. -0.16 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

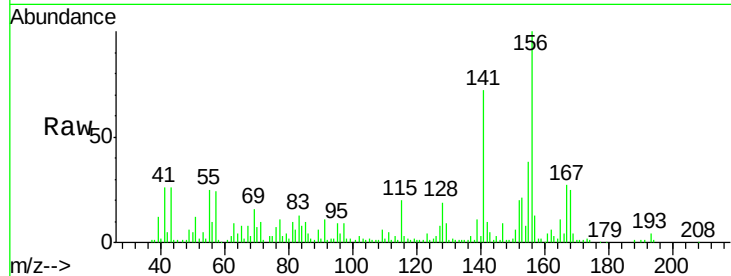
Tot Ion:165 Resp: 8819

Ion Ratio Lower Upper

165 100

63 76.4 51.8 77.8

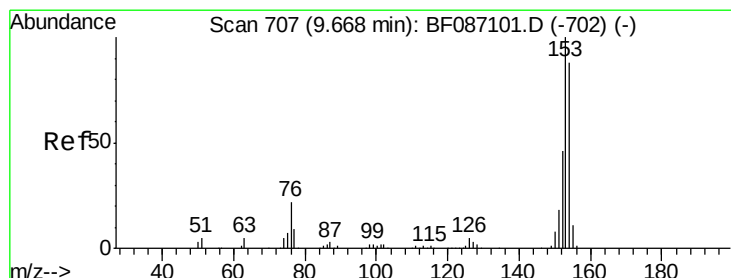
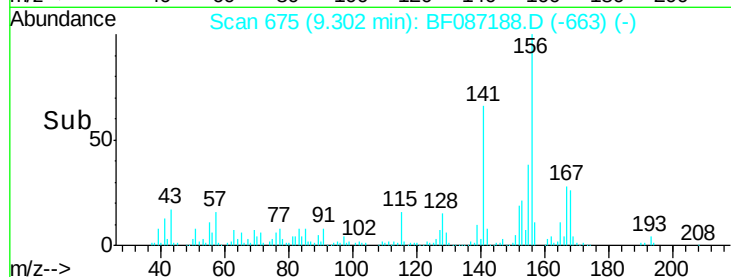
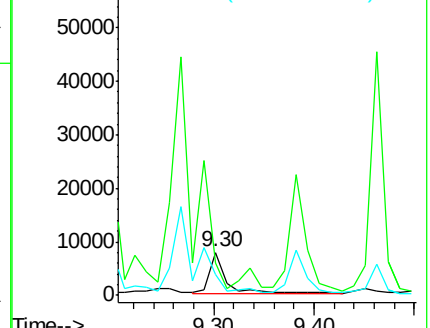
89 48.9 50.7 76.1#



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



#51

Acenaphthene

Concen: 121.67 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

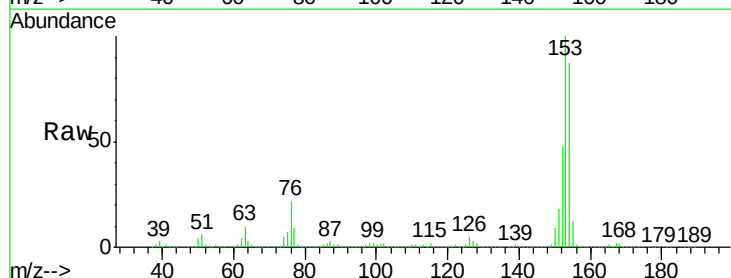
Tgt Ion:154 Resp: 1777438

Ion Ratio Lower Upper

154 100

153 114.7 89.8 134.6

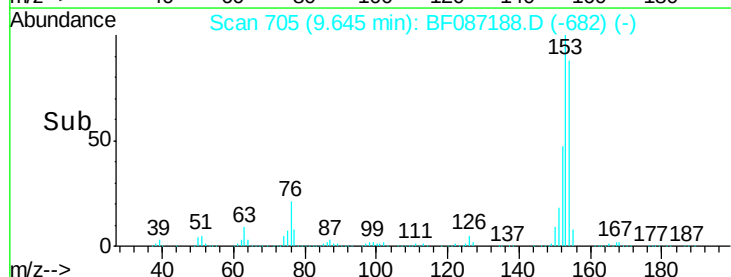
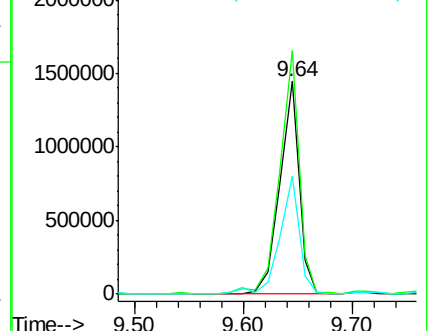
152 55.4 43.4 65.0

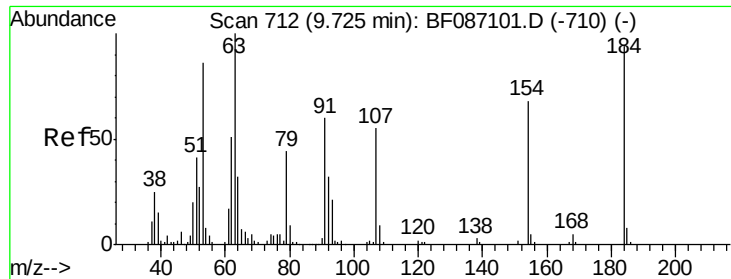


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

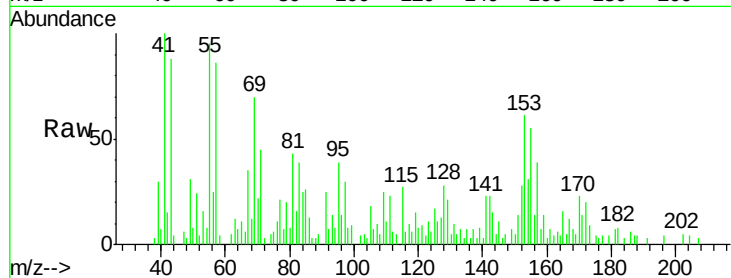




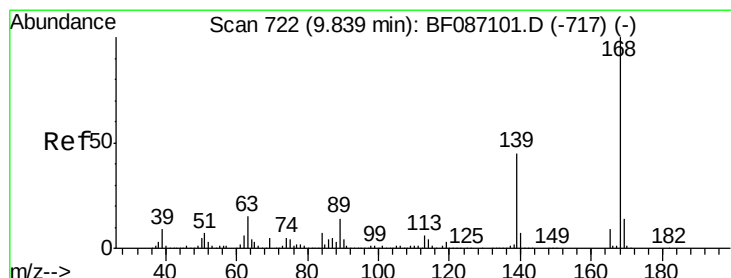
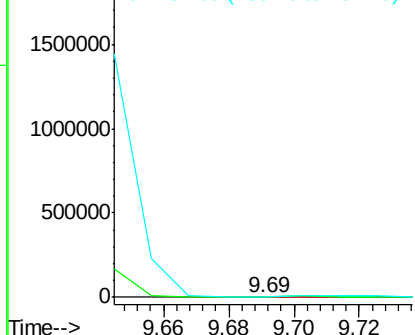
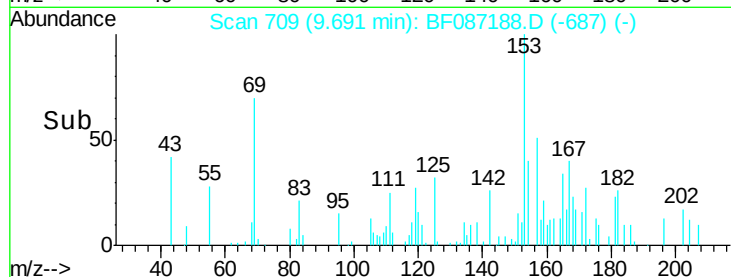
#53
 2,4-Dinitrophenol
 Concen: 4.84 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.05 min
 Lab File: BF087188.D
 Acq: 19 May 2016 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 240
 Ion Ratio Lower Upper
 184 100
 63 422.0 55.8 83.8#
 154 1079.1 62.4 93.6#

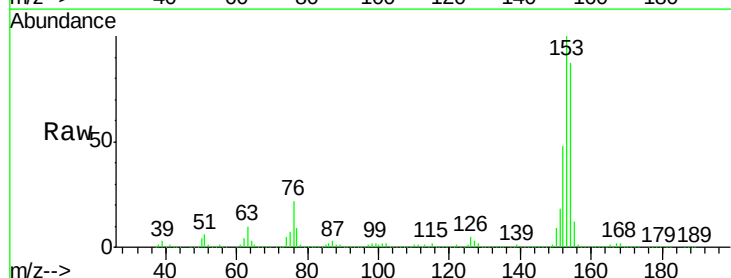


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

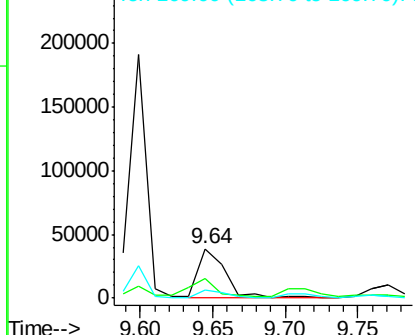
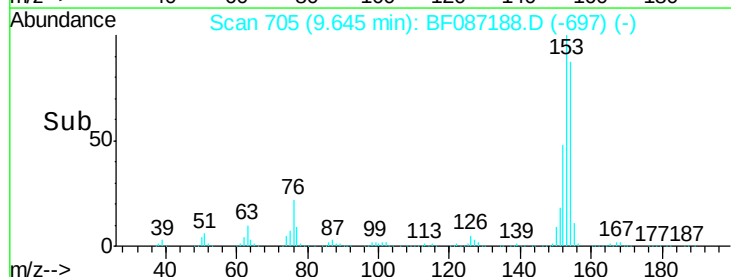


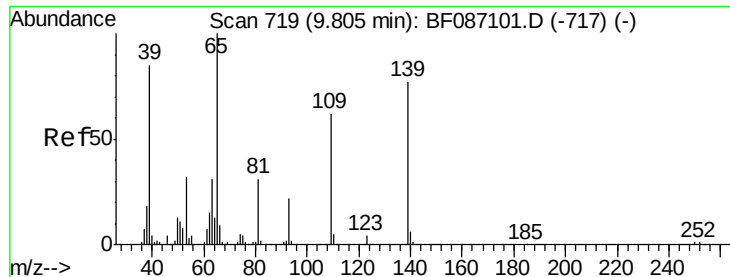
#54
 Dibenzofuran
 Concen: 2.58 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.21 min
 Lab File: BF087188.D
 Acq: 19 May 2016 14:59

Tgt Ion:168 Resp: 48708
 Ion Ratio Lower Upper
 168 100
 139 39.7 31.4 47.0
 169 15.3 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

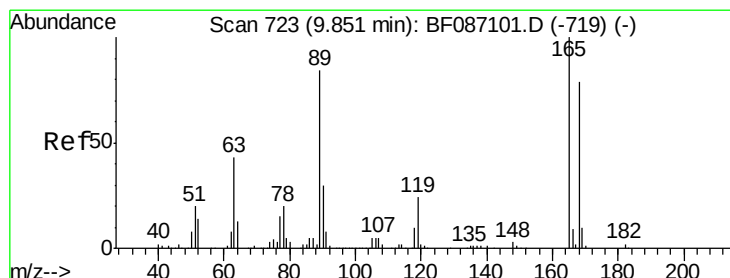
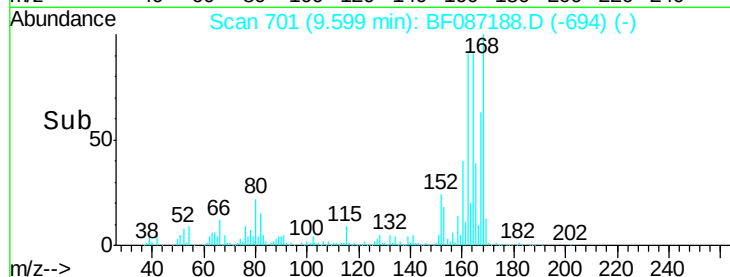
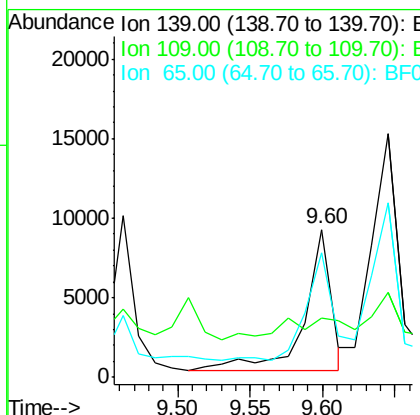
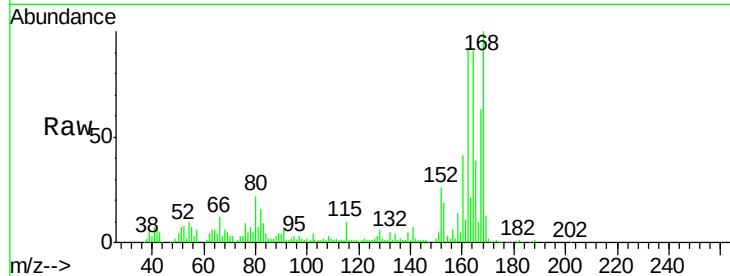




#55
4-Nitrophenol
Concen: 8.97 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.22 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

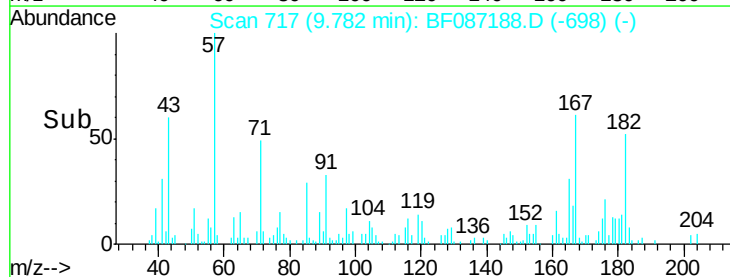
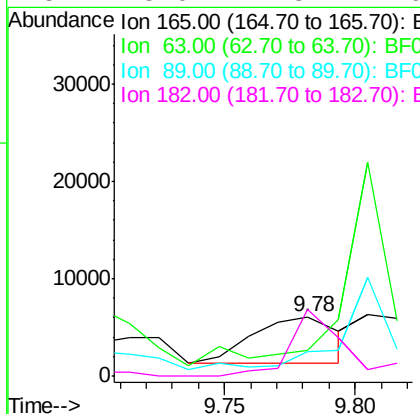
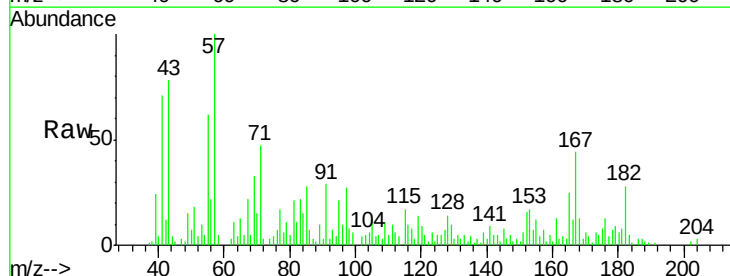
Instrument :
BNA_F
ClientSampleId :

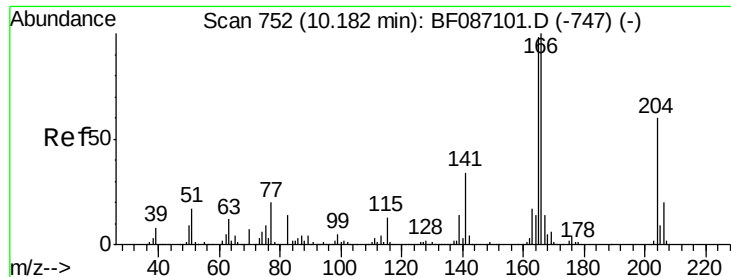
Tot Ion:139 Resp: 11380
Ion Ratio Lower Upper
139 100
109 39.8 36.9 76.9
65 84.2 64.0 104.0



#56
2,4-Dinitrotoluene
Concen: 2.11 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.08 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

Tgt Ion:165 Resp: 10771
Ion Ratio Lower Upper
165 100
63 43.0 44.3 66.5#
89 40.2 70.0 105.0#
182 113.0 1.8 2.6#

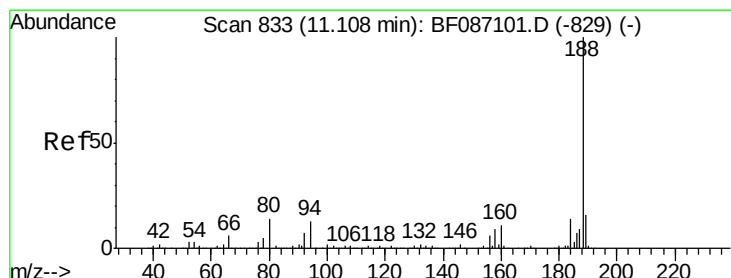
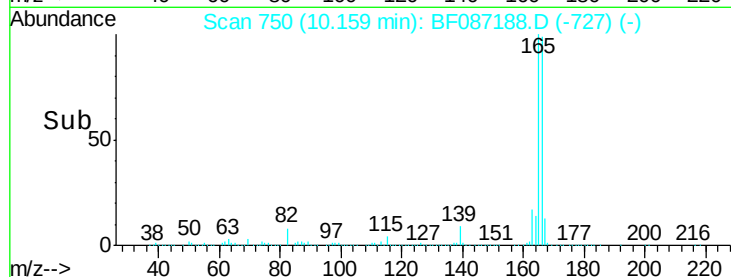
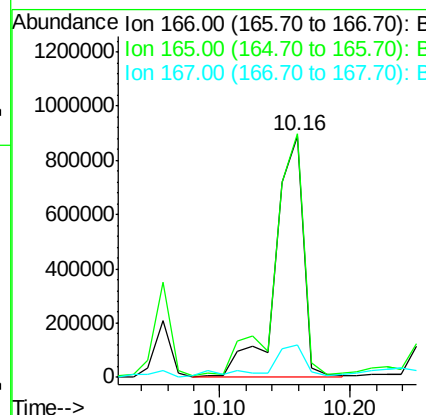
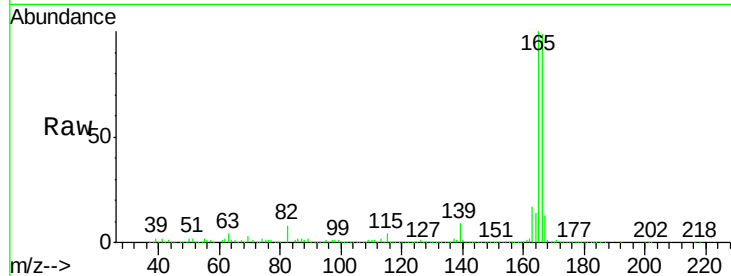




#57
 Fluorene
 Concen: 88.18 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BF087188.D
 Acq: 19 May 2016 14:59

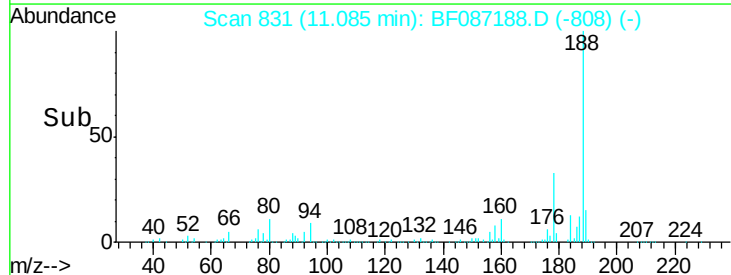
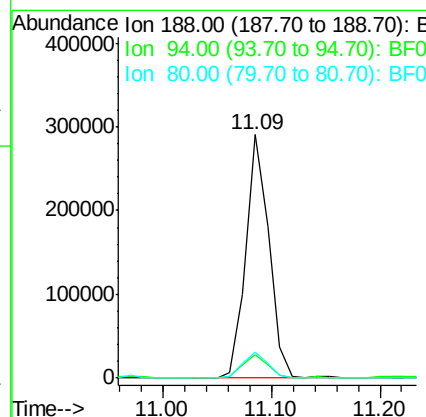
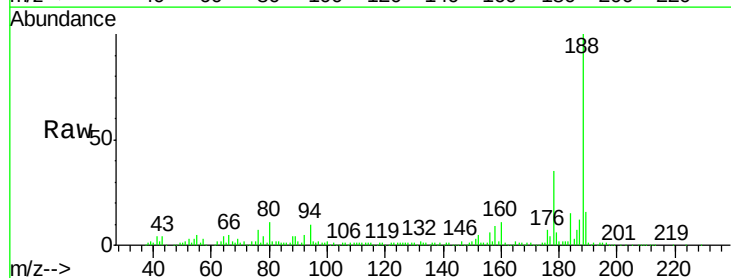
Instrument :
 BNA_F
 ClientSampleId :

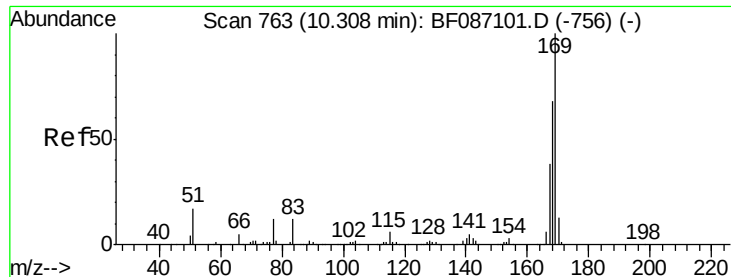
Tot Ion:166 Resp: 1338416
 Ion Ratio Lower Upper
 166 100
 165 100.8 79.0 118.6
 167 13.6 10.6 15.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: BF087188.D
 Acq: 19 May 2016 14:59

Tgt Ion:188 Resp: 425779
 Ion Ratio Lower Upper
 188 100
 94 9.8 6.8 10.2
 80 10.9 7.1 10.7#





#65

n-Nitrosodiphenylamine

Concen: 3.11 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.06 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampled :

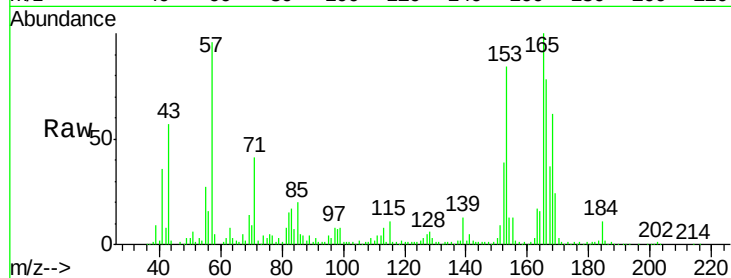
Tot Ion:169 Resp: 41643

Ion Ratio Lower Upper

169 100

168 260.2 53.8 80.6#

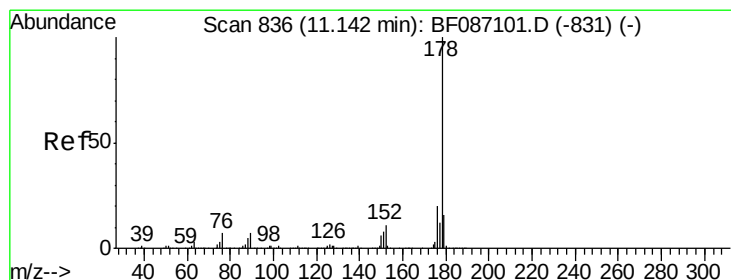
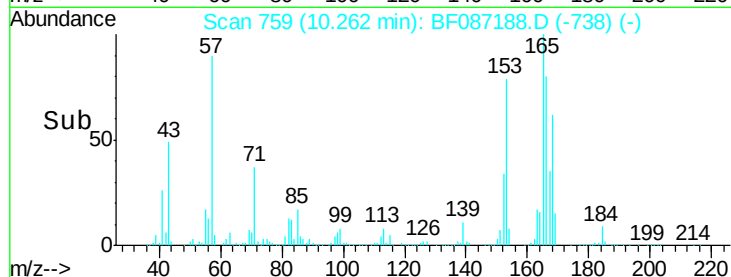
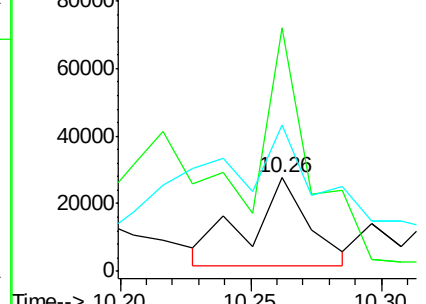
167 156.0 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 238.74 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

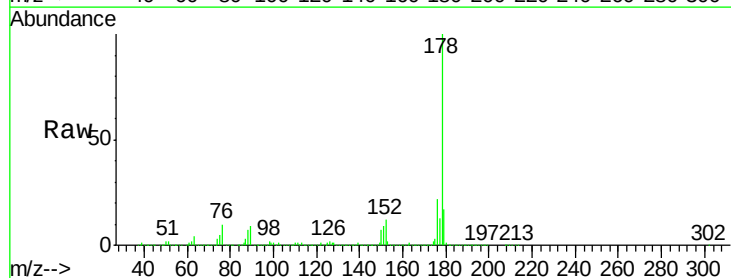
Tgt Ion:178 Resp: 5513173

Ion Ratio Lower Upper

178 100

176 21.7 16.0 24.0

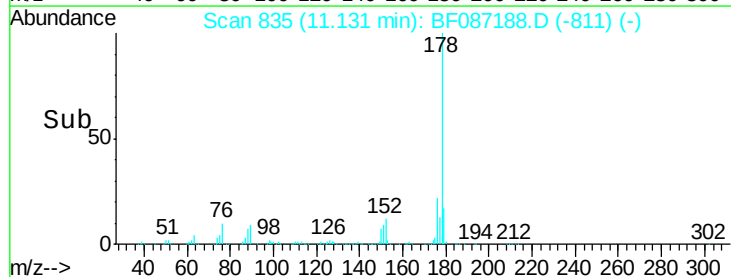
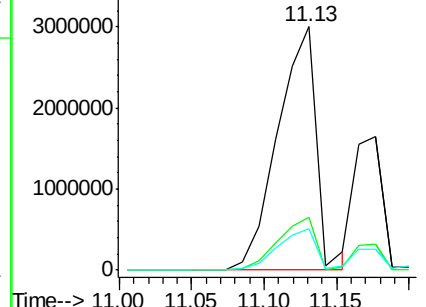
179 16.9 12.6 18.8

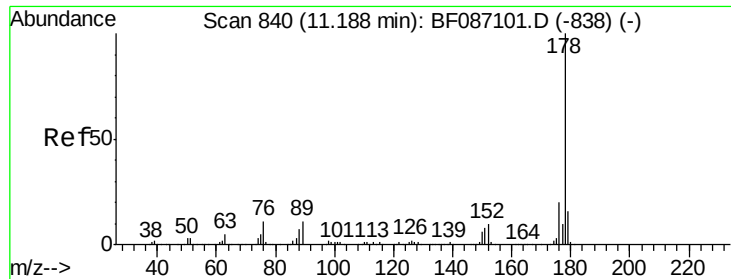


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 97.19 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.02 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

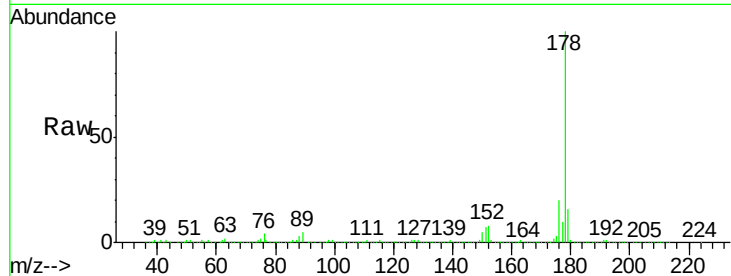
Tot Ion:178 Resp: 2270015

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

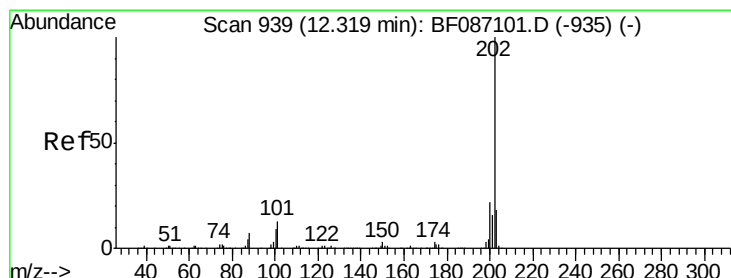
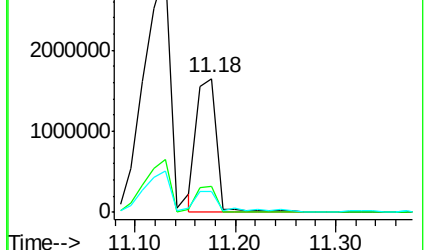
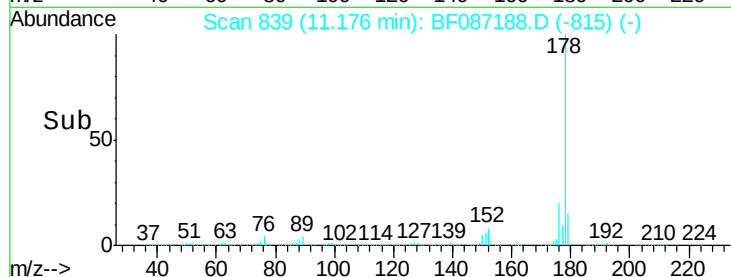
179 15.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 96.49 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

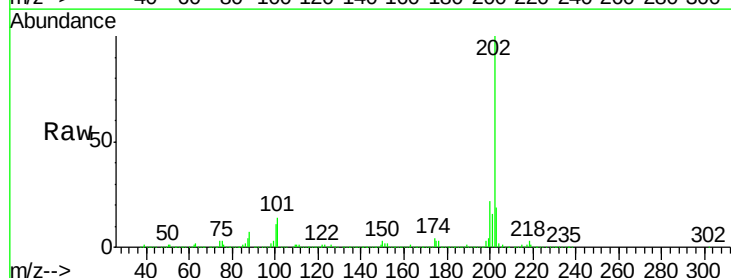
Tgt Ion:202 Resp: 2232507

Ion Ratio Lower Upper

202 100

101 14.1 0.0 35.4

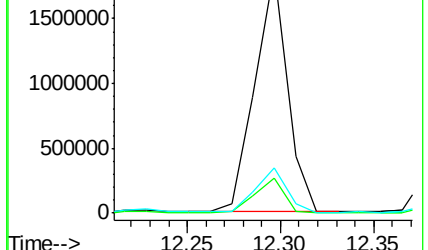
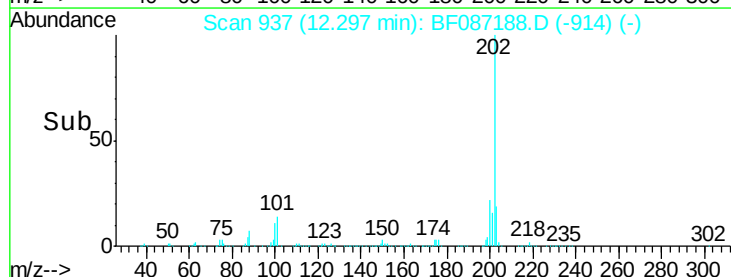
203 18.8 0.0 38.1

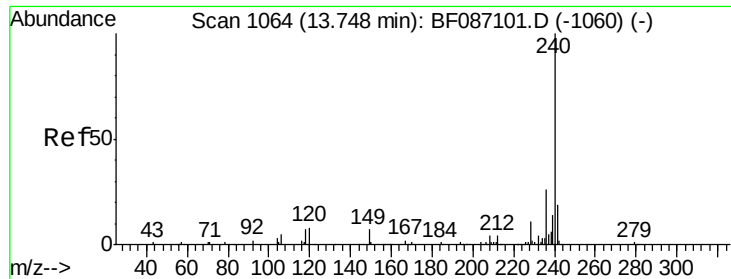


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

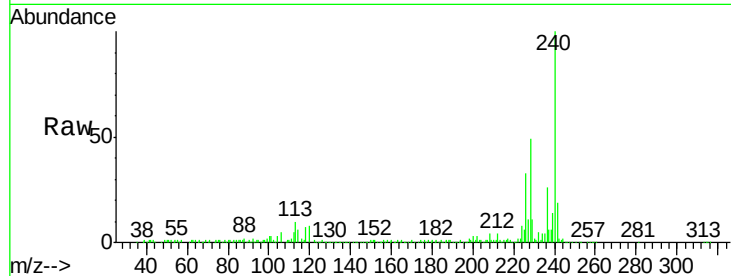
Tot Ion:240 Resp: 297042

Ion Ratio Lower Upper

240 100

120 7.8 11.2 16.8#

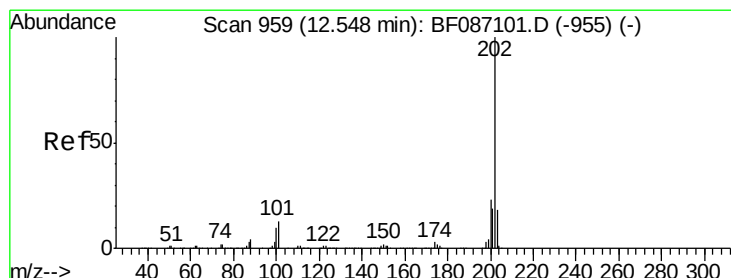
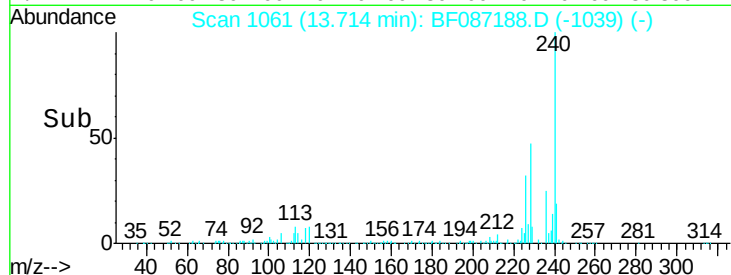
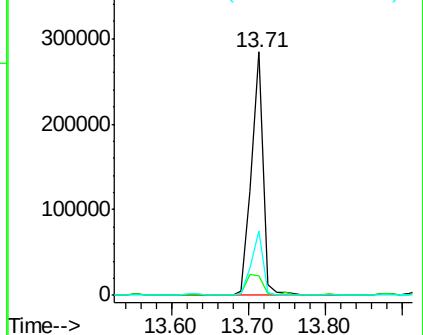
236 26.5 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 149.14 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

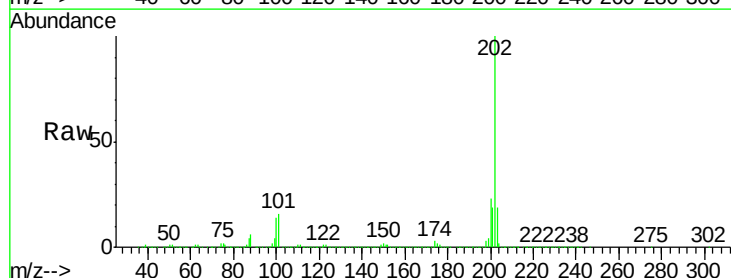
Tgt Ion:202 Resp: 3200478

Ion Ratio Lower Upper

202 100

200 23.1 17.7 26.5

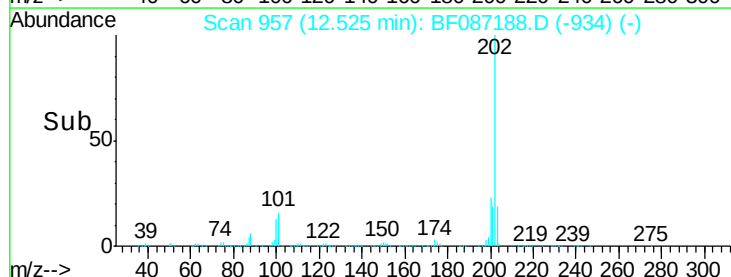
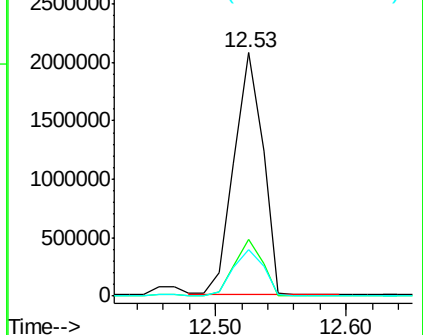
203 18.9 14.2 21.4

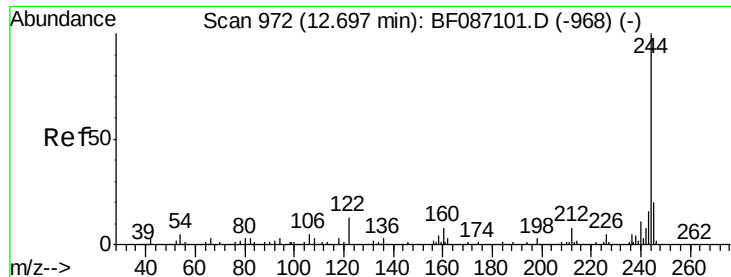


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.75 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

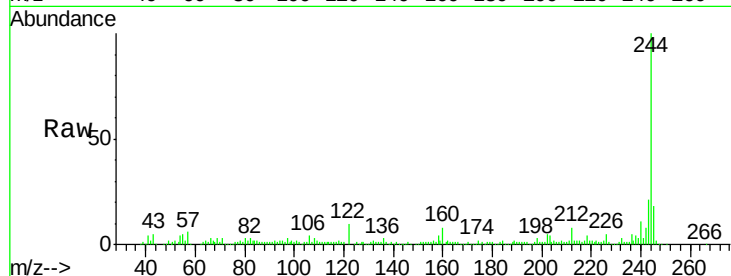
Tot Ion:244 Resp: 154334

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

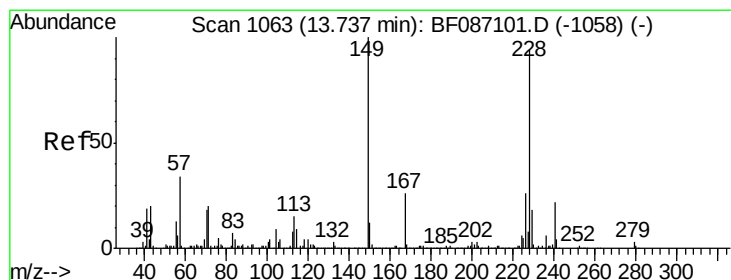
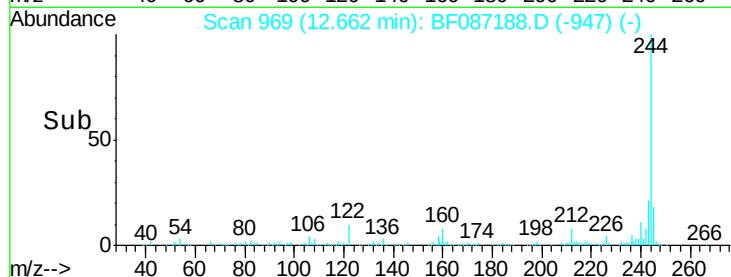
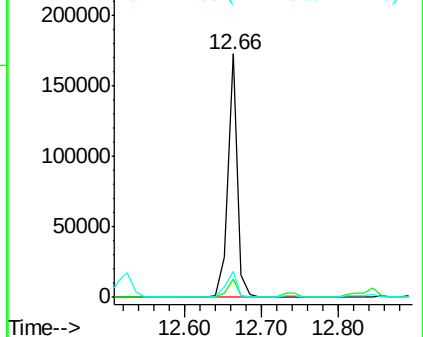
122 10.4 12.0 18.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 61.78 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.05 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

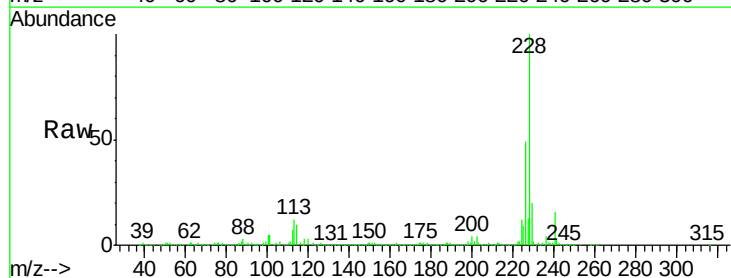
Tgt Ion:228 Resp: 1061071

Ion Ratio Lower Upper

228 100

226 49.5 22.5 33.7#

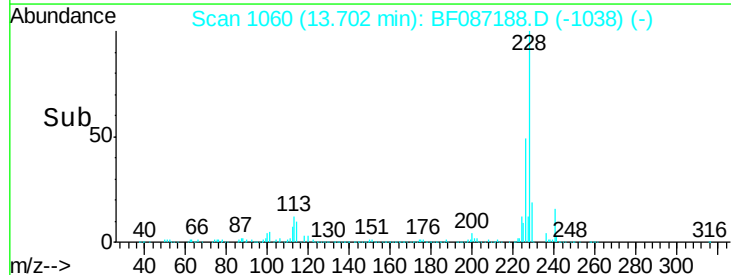
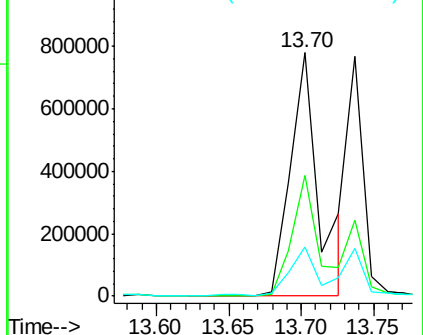
229 20.2 16.6 25.0

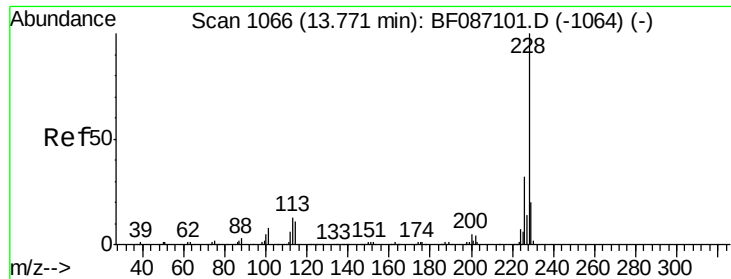


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 63.85 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.08 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

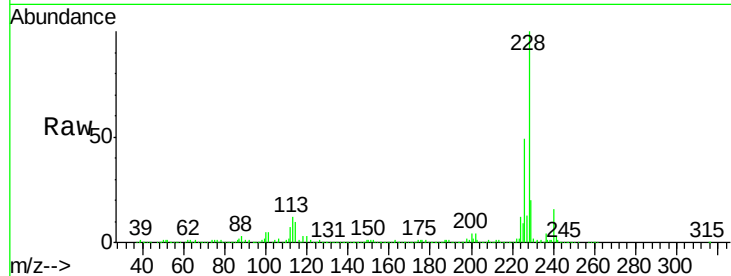
Tot Ion:228 Resp: 1061071

Ion Ratio Lower Upper

228 100

226 49.5 24.4 36.6#

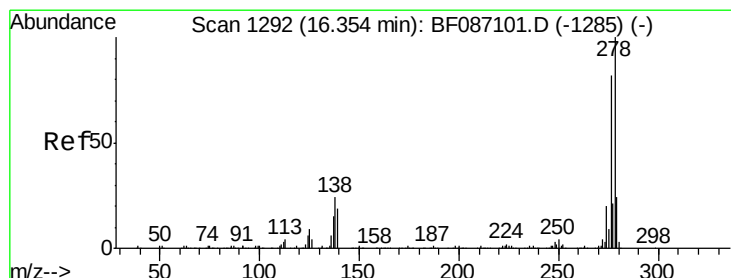
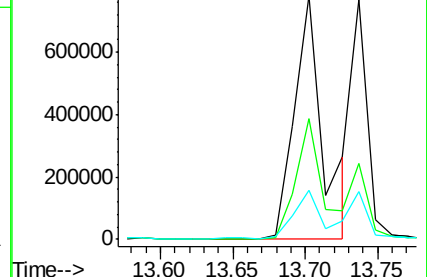
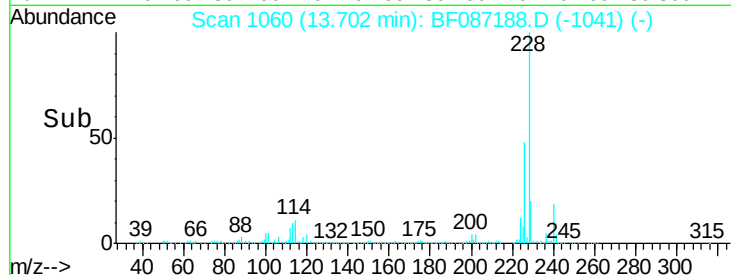
229 20.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 21.20 ng

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

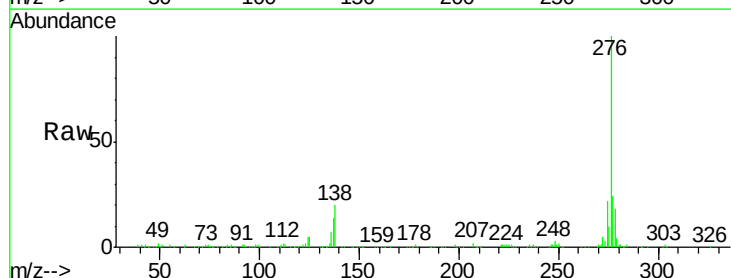
Tgt Ion:276 Resp: 309196

Ion Ratio Lower Upper

276 100

138 22.1 25.6 38.4#

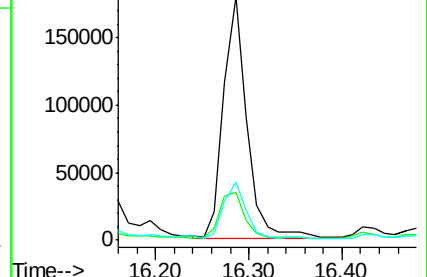
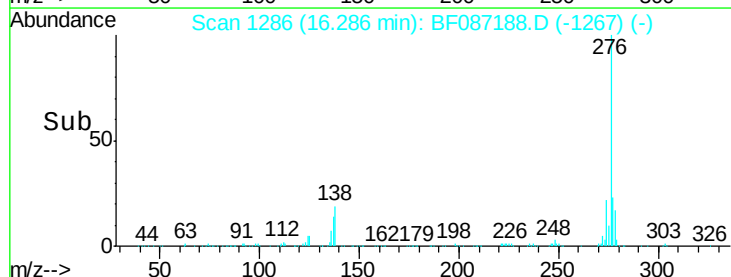
277 23.7 20.5 30.7

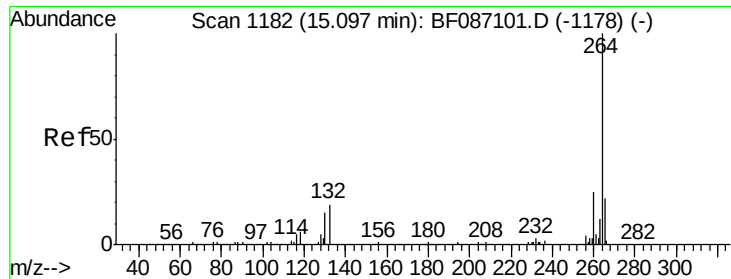


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

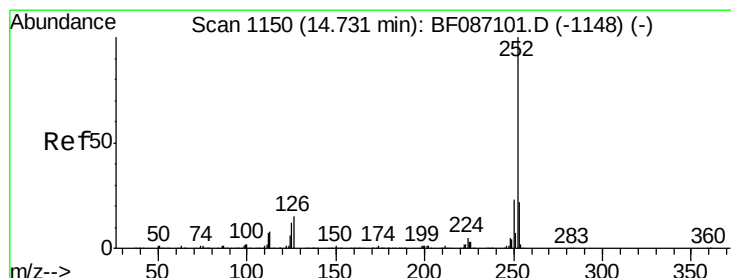
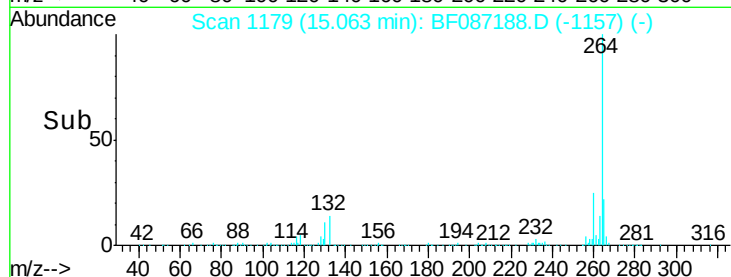
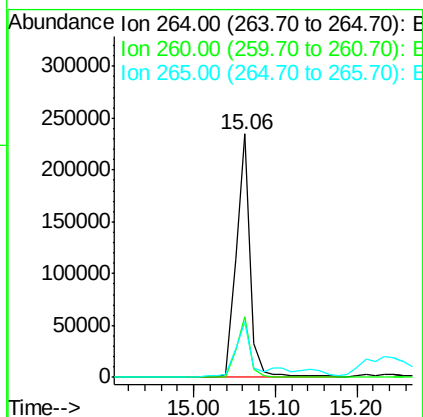
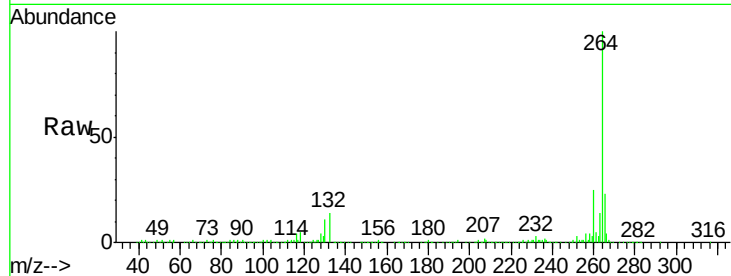




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

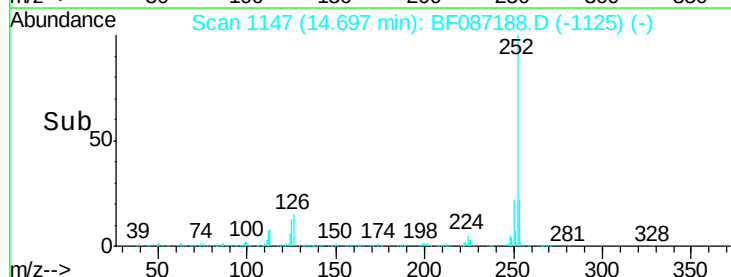
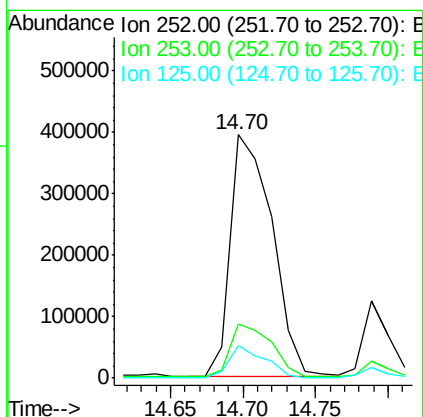
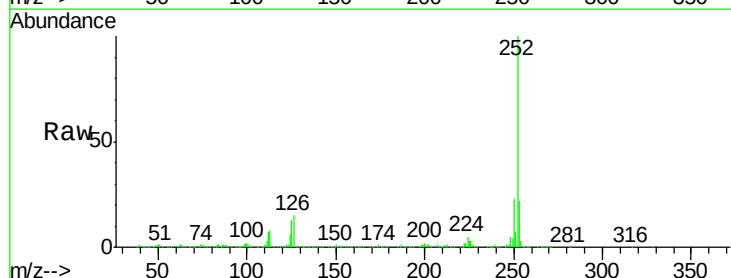
Instrument :
BNA_F
ClientSampleId :

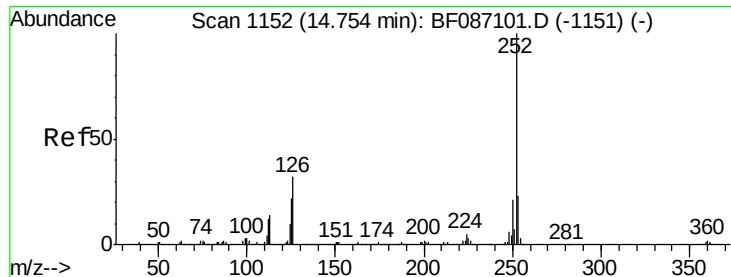
Tot Ion:264 Resp: 279835
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 22.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 42.54 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF087188.D
Acq: 19 May 2016 14:59

Tgt Ion:252 Resp: 789643
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 13.2 11.4 17.0





#88

Benzo(k)fluoranthene

Concen: 57.13 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.08 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampled :

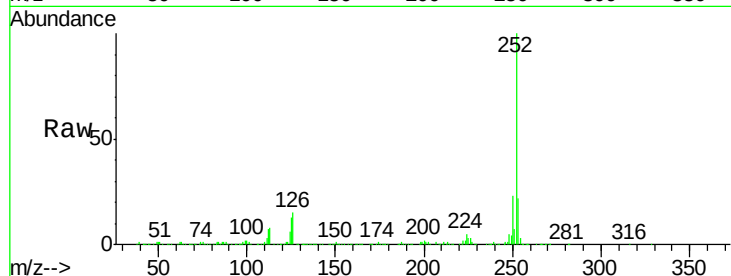
Tot Ion:252 Resp: 789643

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

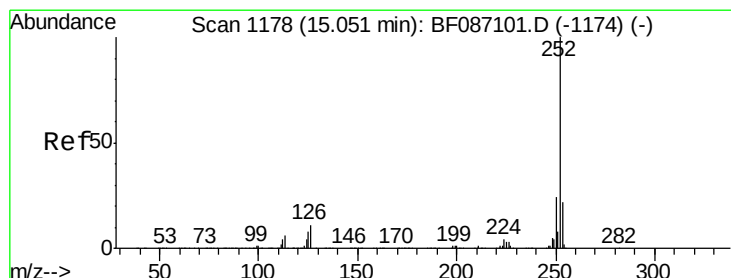
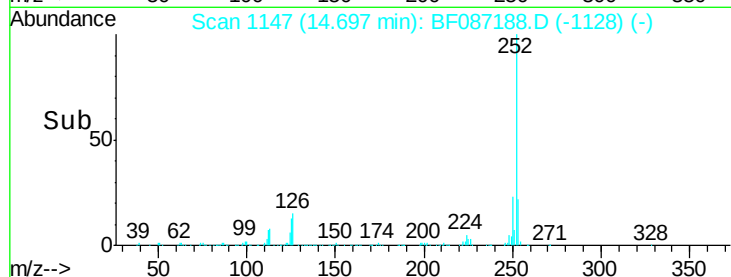
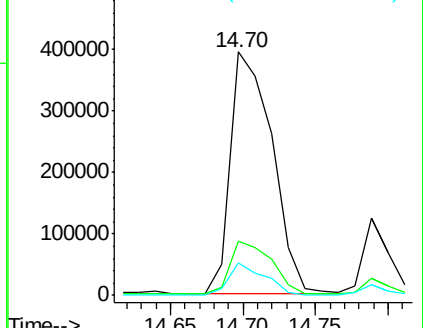
125 13.2 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 23.59 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.10 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

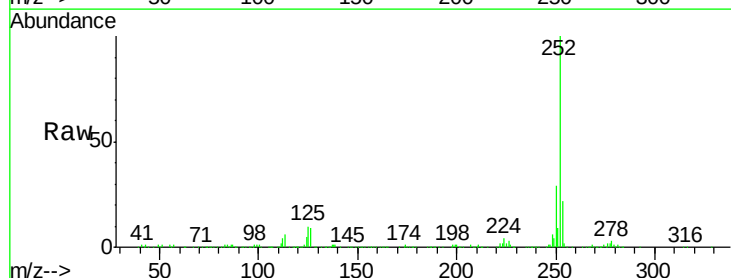
Tgt Ion:252 Resp: 366005

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

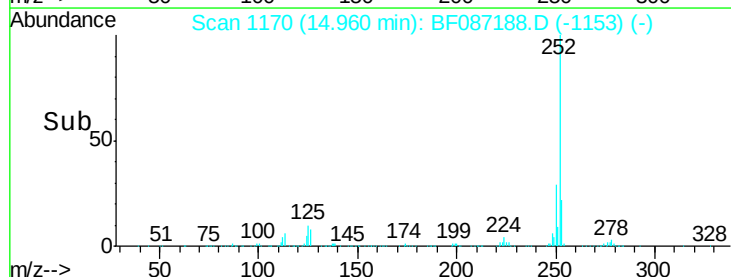
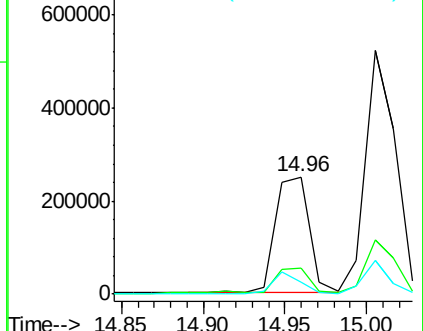
125 10.5 9.0 13.6

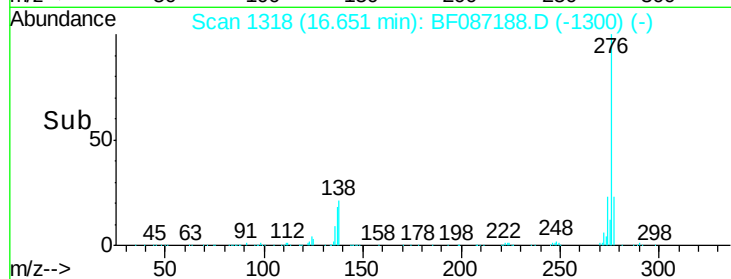
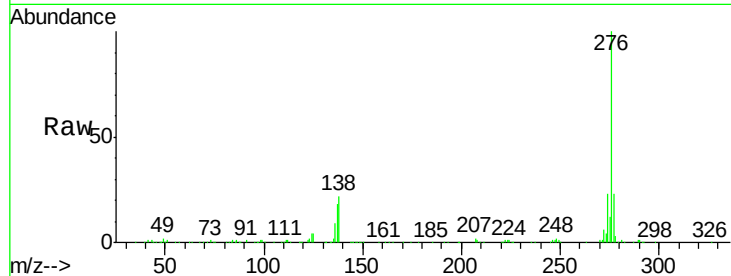
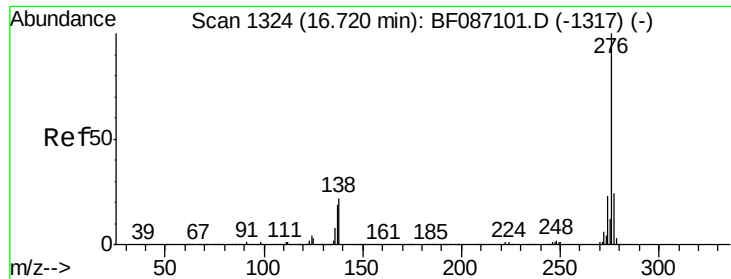


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 26.49 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF087188.D

Acq: 19 May 2016 14:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 349522

Ion Ratio Lower Upper

276 100

277 23.3 19.6 29.4

138 21.6 23.6 35.4#

