

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089065.D
 Acq On : 16 Jul 2016 20:13
 Operator : UM/SJ
 Sample : H4017-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

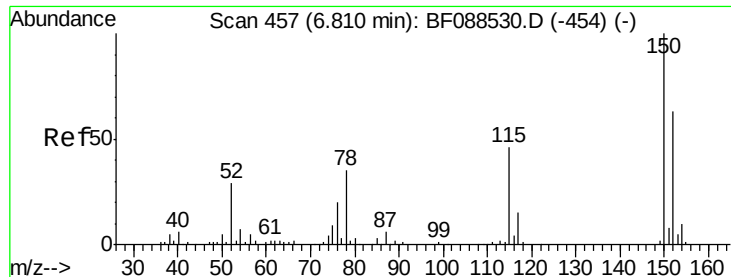
Quant Time: Jul 18 01:16:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	50961	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	223756	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	82880	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	130194	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	106168	20.00	ng	-0.02
86) Perylene-d12	15.20	264	80267	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	399799	117.58	ng	-0.02
7) Phenol-d6	6.33	99	534794	121.72	ng	-0.02
23) Nitrobenzene-d5	7.23	82	273548	64.07	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	60088	78.07	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	447643	85.31	ng	-0.05
78) Terphenyl-d14	12.78	244	320548	67.25	ng	-0.02

Target Compounds						Qvalue
15) Benzyl Alcohol	6.82	79	6545	2.02	ng	# 47
19) n-Nitroso-di-n-propylamine	7.23	70	38819	13.15	ng	# 74
25) Isophorone	7.23	82	214983	27.18	ng	# 65
31) Naphthalene	7.98	128	32419	2.94	ng	99
37) 2-Methylnaphthalene	8.66	142	24600	3.46	ng	# 94
48) Acenaphthylene	9.56	152	19990	2.33	ng	100
49) Dimethylphthalate	9.43	163	231187	39.15	ng	99
51) Acenaphthene	9.74	154	21278	4.05	ng	97
54) Dibenzofuran	9.91	168	18417	2.68	ng	# 87
55) 4-Nitrophenol	9.91	139	7683	6.08	ng	# 10
56) 2,4-Dinitrotoluene	9.70	165	11892	6.95	ng	# 37
57) Fluorene	10.25	166	19737	3.72	ng	98
66) 4-Bromophenyl-phenylether	10.49	248	5052	3.85	ng	# 1
70) Phenanthrene	11.21	178	349911	49.17	ng	98
71) Anthracene	11.26	178	90319	12.76	ng	99
72) Carbazole	11.42	167	56878	8.54	ng	100
74) Fluoranthene	12.40	202	831067	115.19	ng	98
77) Pyrene	12.63	202	726526	80.71	ng	99
80) Benzo(a)anthracene	13.82	228	479196	70.10	ng	98
81) 3,3'-Dichlorobenzidine	13.86	252	6634	2.58	ng	# 14
82) Chrysene	13.82	228	479196	70.85	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	25268	5.51	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.49	276	156168	30.01	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	685544	136.15	ng	# 96
88) Benzo(k)fluoranthene	14.83	252	685544	156.40	ng	98
89) Benzo(a)pyrene	15.10	252	229526	53.84	ng	98
90) Dibenzo(a,h)anthracene	16.64	278	28897	8.12	ng	93
91) Benzo(g,h,i)perylene	16.88	276	138455	37.58	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

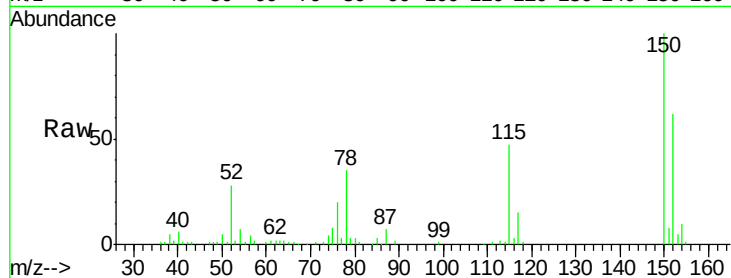
Tot Ion:152 Resp: 50961

Ion Ratio Lower Upper

152 100

150 162.4 123.8 185.6

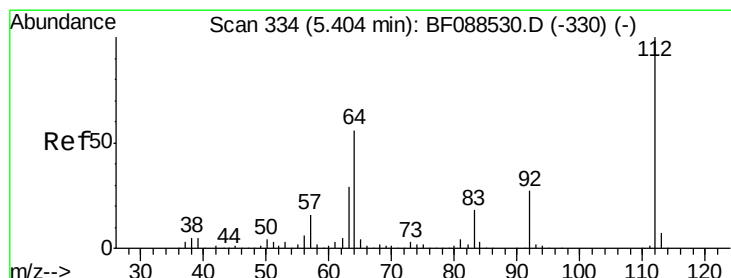
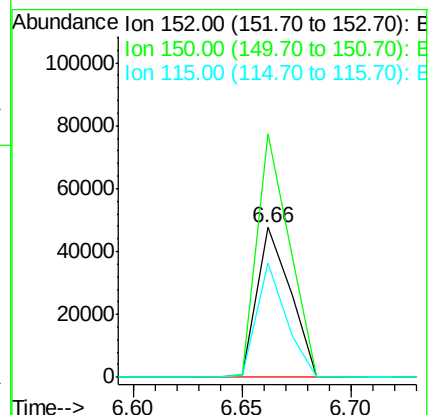
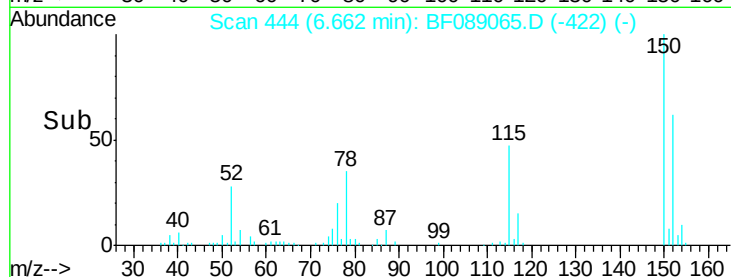
115 76.5 39.6 59.4#



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: 117.58 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

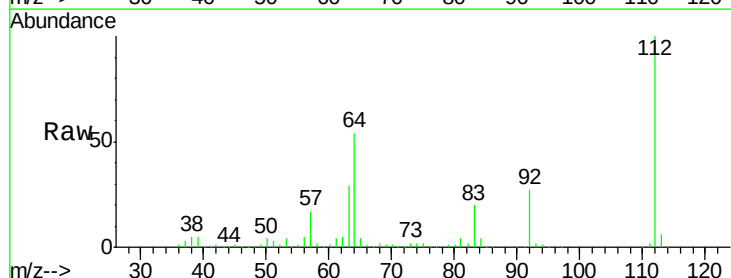
Tgt Ion:112 Resp: 399799

Ion Ratio Lower Upper

112 100

64 54.4 42.2 63.2

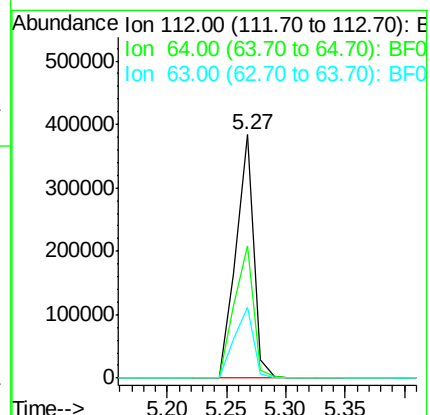
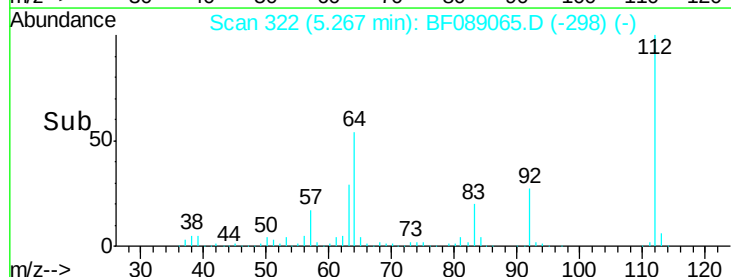
63 29.3 21.8 32.8

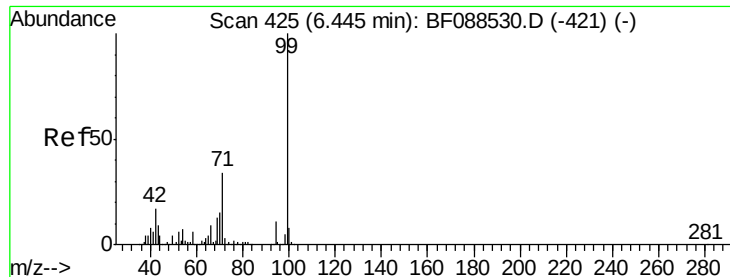


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.72 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampled :

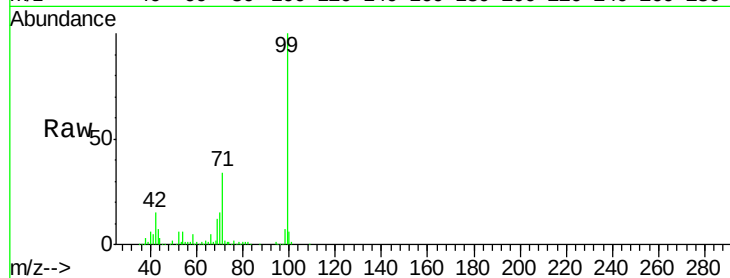
Tot Ion: 99 Resp: 534794

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

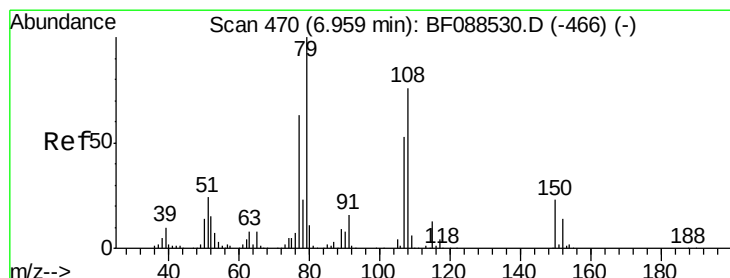
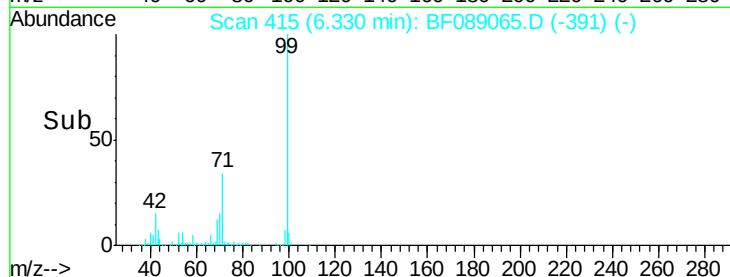
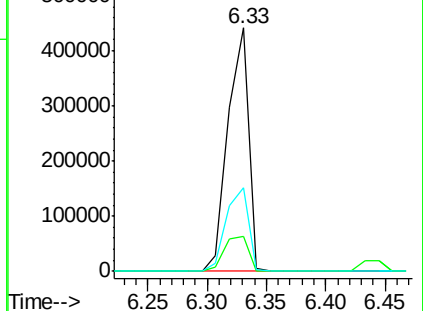
71 34.4 23.4 35.0



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



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.03 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

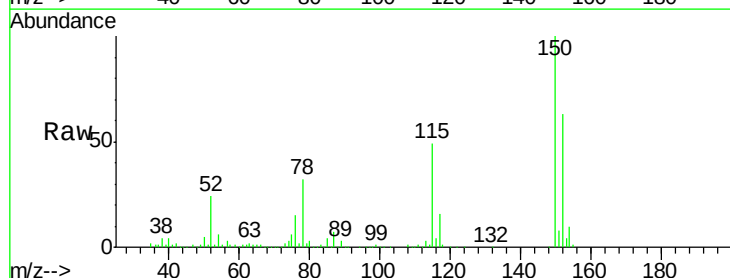
Tgt Ion: 79 Resp: 6545

Ion Ratio Lower Upper

79 100

108 27.8 65.0 97.6#

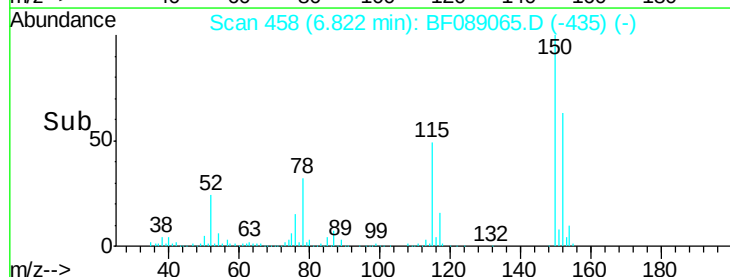
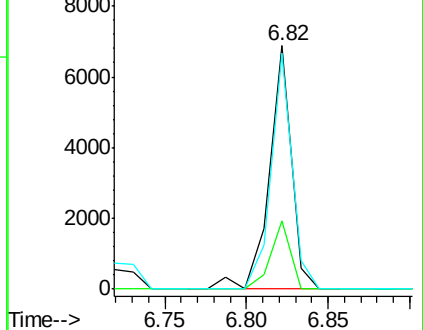
77 96.9 50.3 75.5#

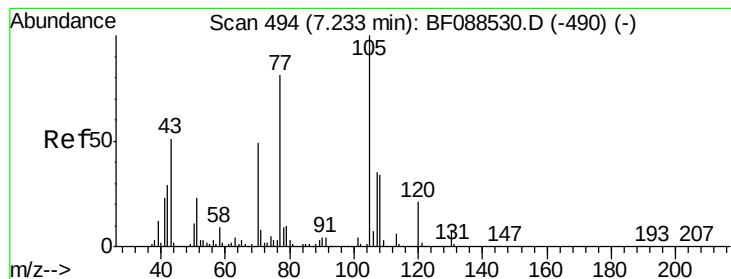


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.15 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 38819

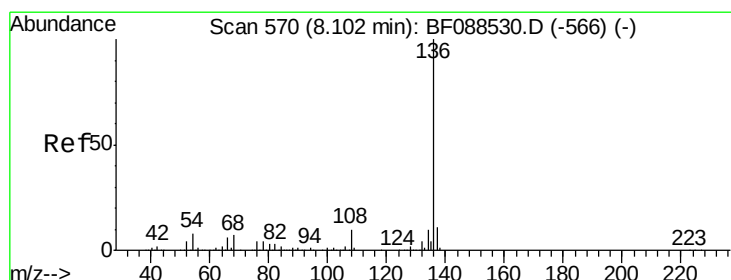
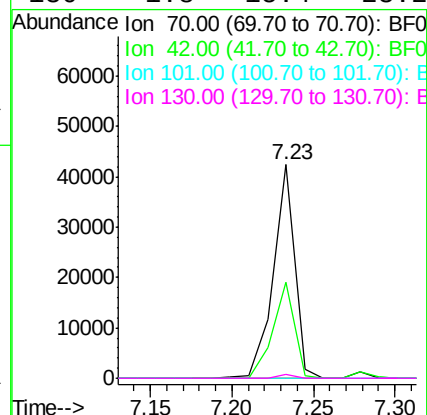
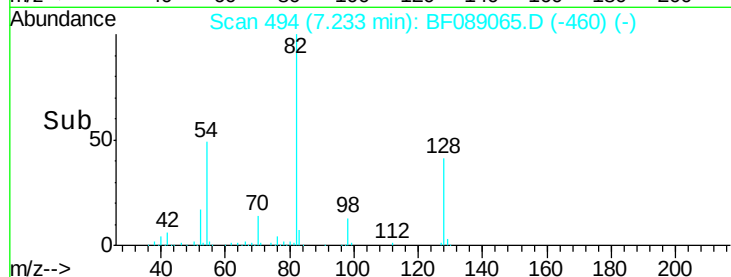
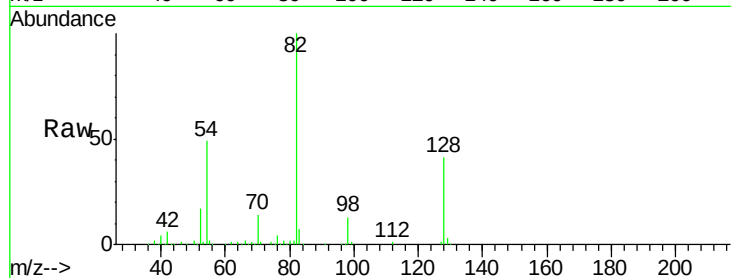
Ion Ratio Lower Upper

70 100

42 44.9 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Tgt Ion: 136 Resp: 223756

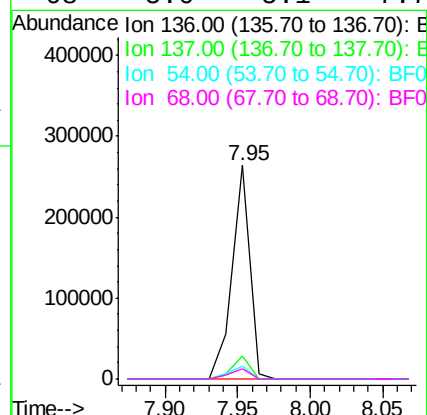
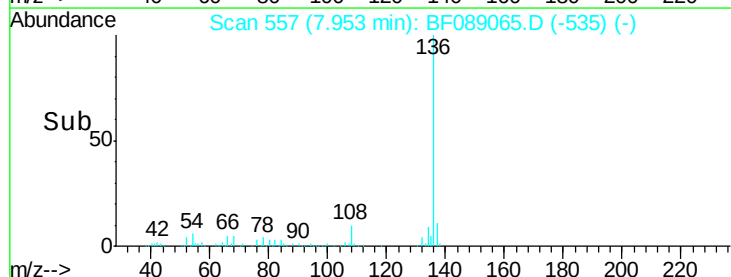
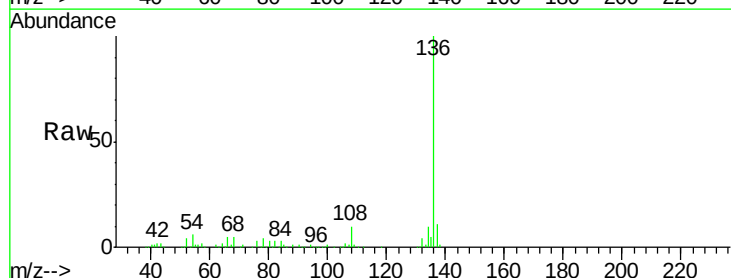
Ion Ratio Lower Upper

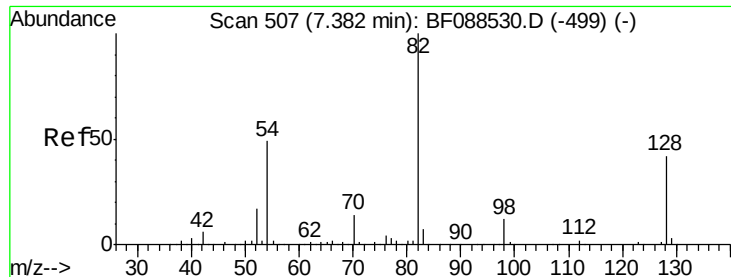
136 100

137 10.7 9.1 13.7

54 6.1 6.6 10.0#

68 5.0 5.1 7.7#

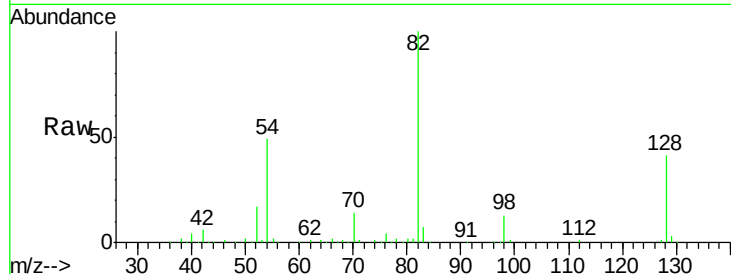




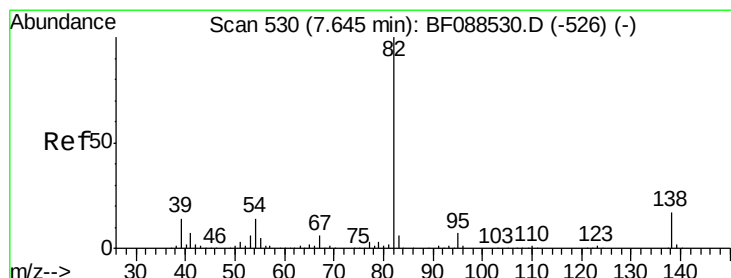
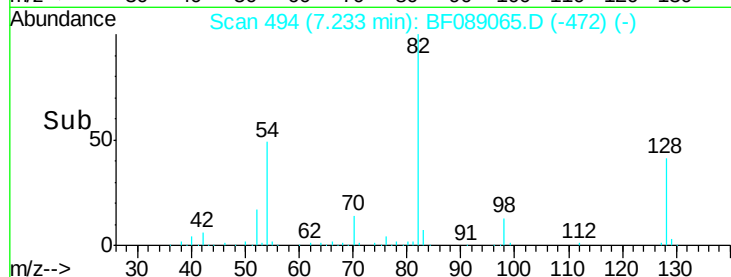
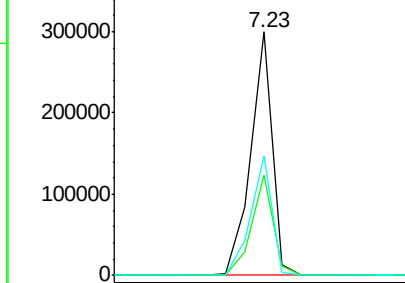
#23
Nitrobenzene-d5
Concen: 64.07 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.05 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	273548
Ion Ratio	100	Lower	Upper
128	41.0	35.9	53.9
54	49.0	40.9	61.3

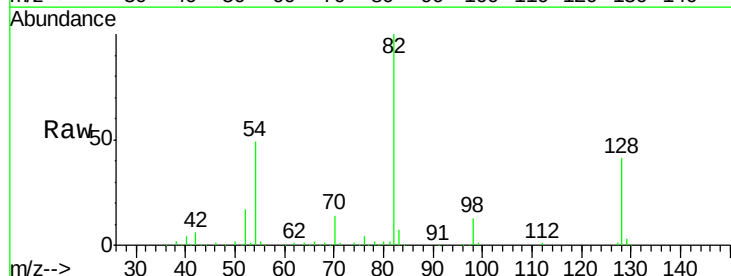


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

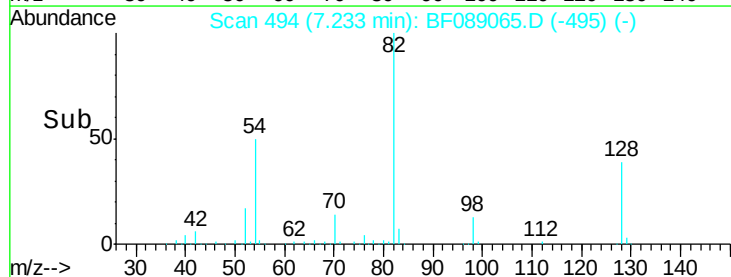
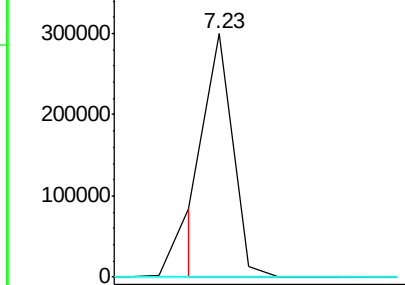


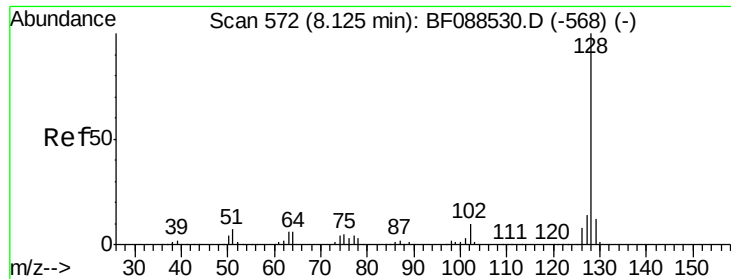
#25
Isophorone
Concen: 27.18 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.31 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

Tgt Ion	82	Resp	214983
Ion Ratio	100	Lower	Upper
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





#31

Naphthalene

Concen: 2.94 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

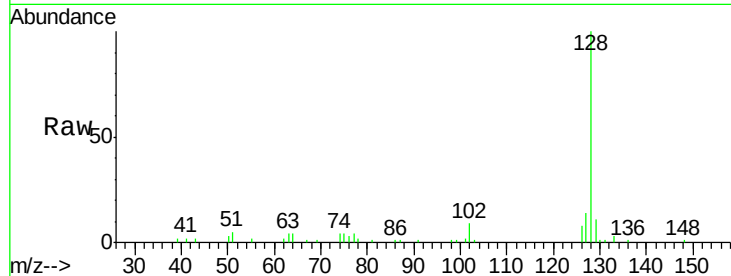
Tot Ion:128 Resp: 32419

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.2

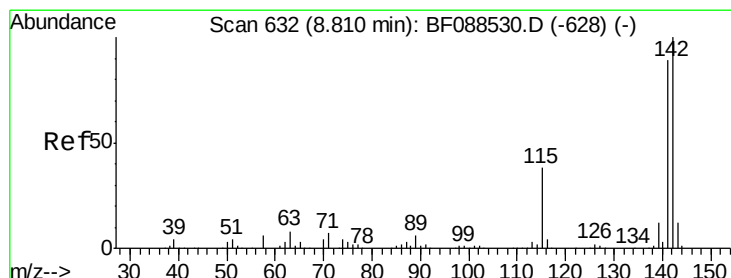
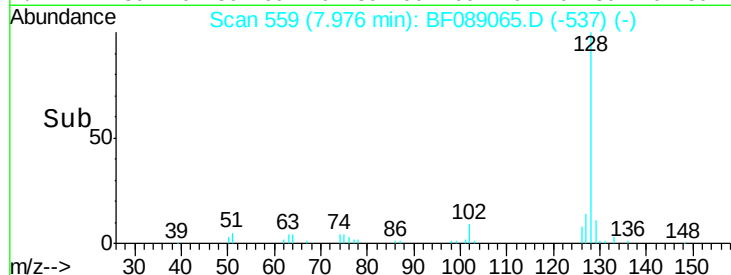
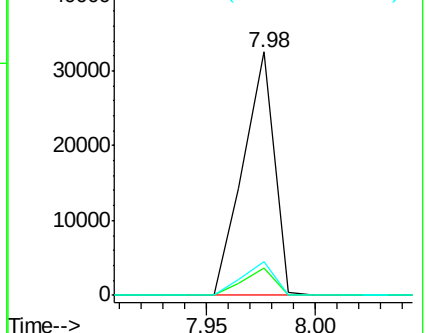
127 13.6 10.9 16.3



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



#37

2-Methylnaphthalene

Concen: 3.46 ng

RT: 8.66 min Scan# 619

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

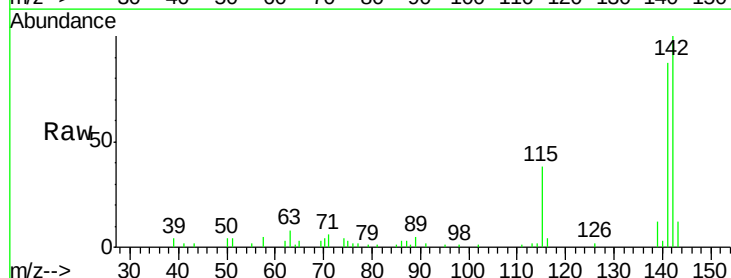
Tgt Ion:142 Resp: 24600

Ion Ratio Lower Upper

142 100

141 86.8 71.0 106.6

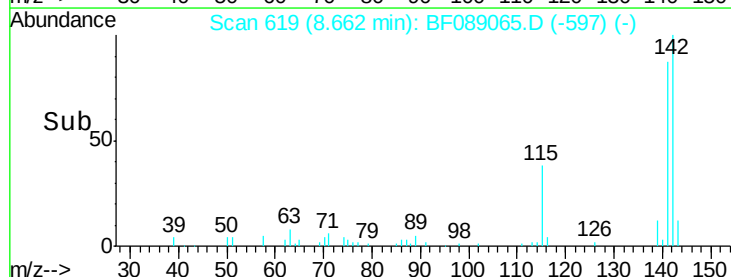
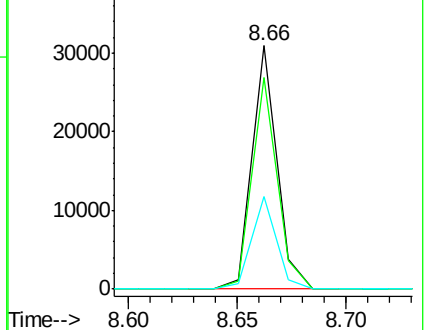
115 37.8 22.6 33.8#

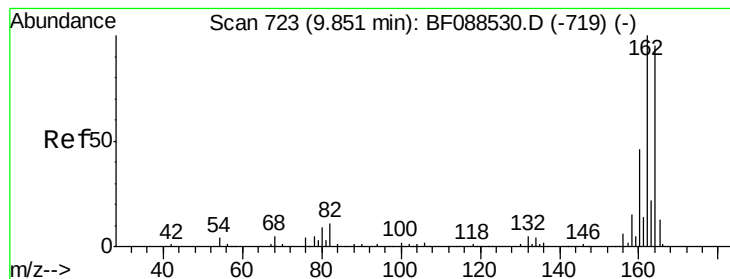


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampled :

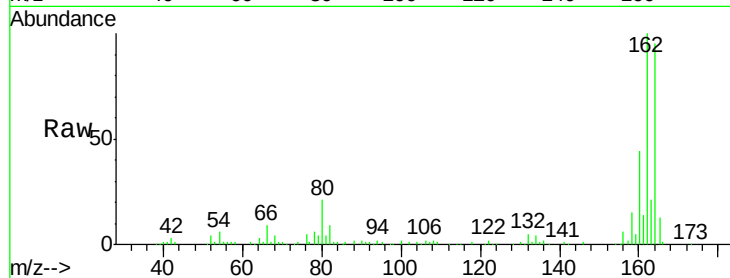
Tot Ion:164 Resp: 82880

Ion Ratio Lower Upper

164 100

162 105.5 85.4 128.2

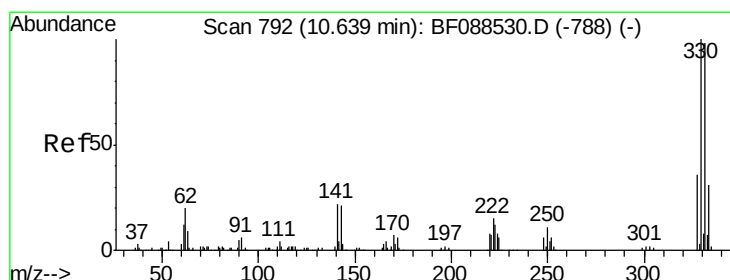
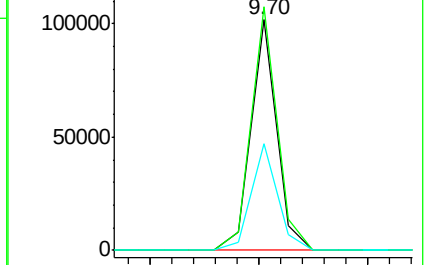
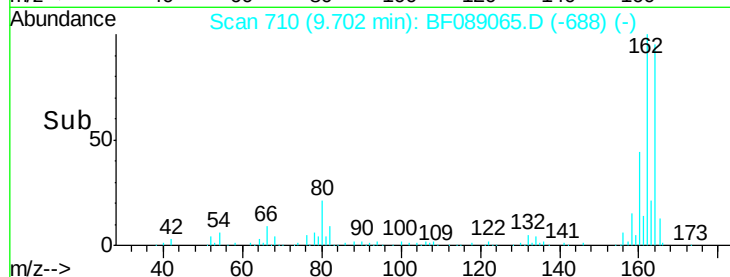
160 46.4 39.5 59.3



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: 78.07 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

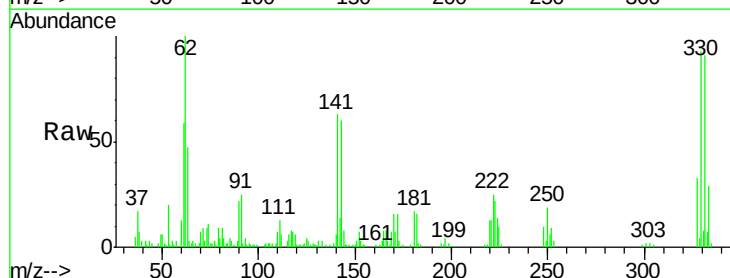
Tgt Ion:330 Resp: 60088

Ion Ratio Lower Upper

330 100

332 98.0 0.0 0.0#

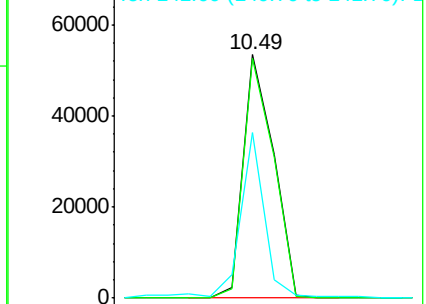
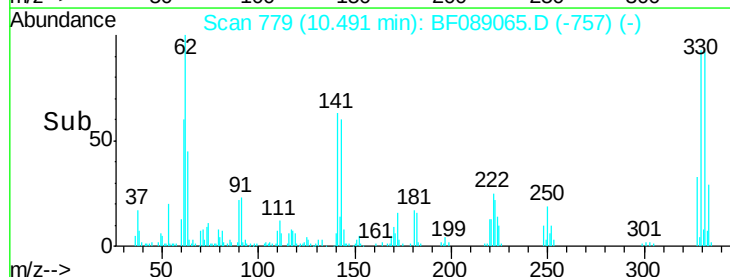
141 56.7 0.0 0.0#

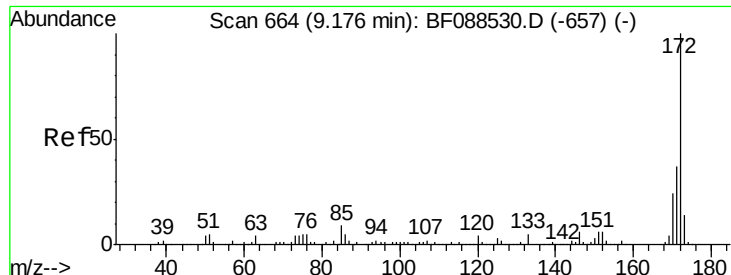


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

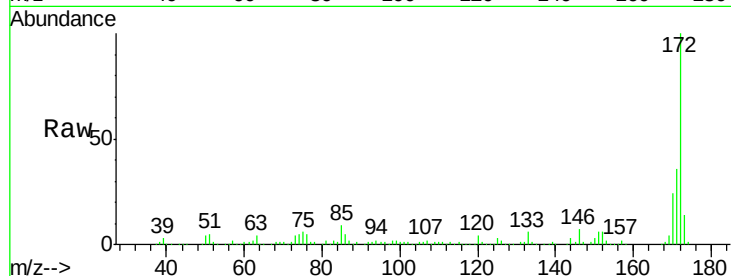




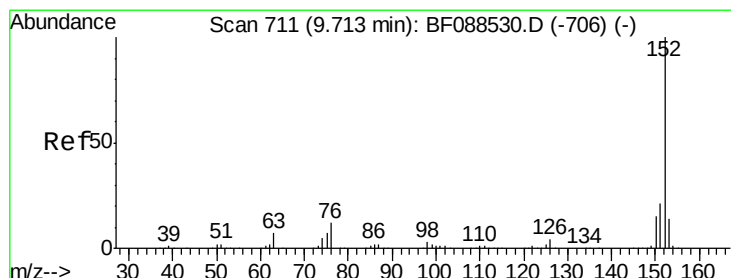
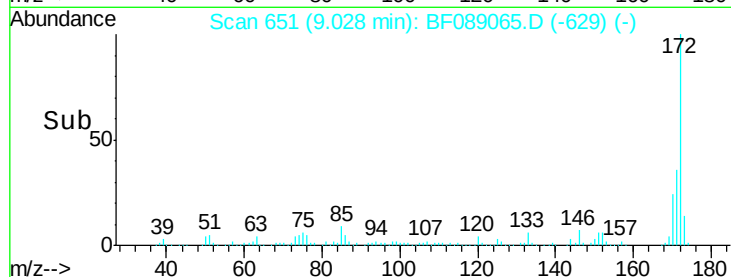
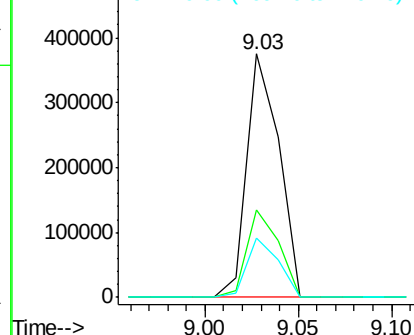
#44
2-Fluorobiphenyl
Concen: 85.31 ng
RT: 9.03 min Scan# 651
Delta R.T. -0.05 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 447643
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.2 19.2 28.8

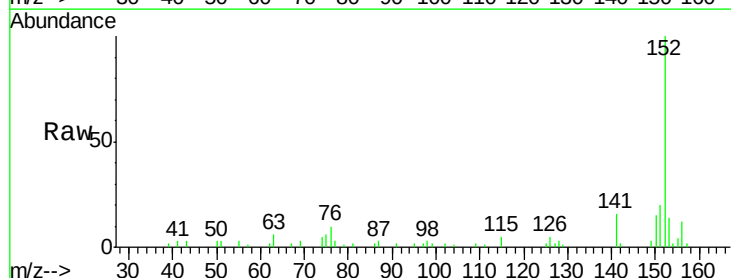


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

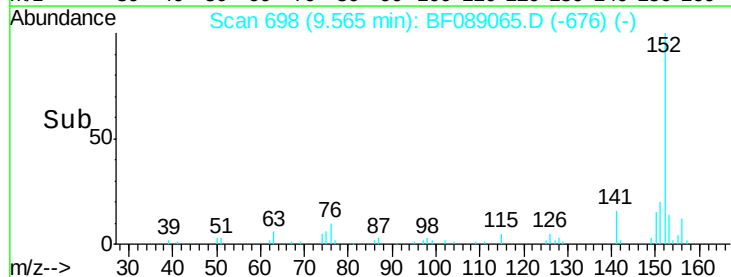
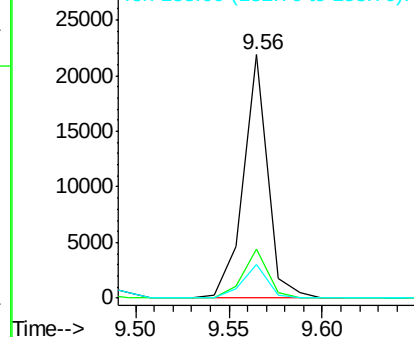


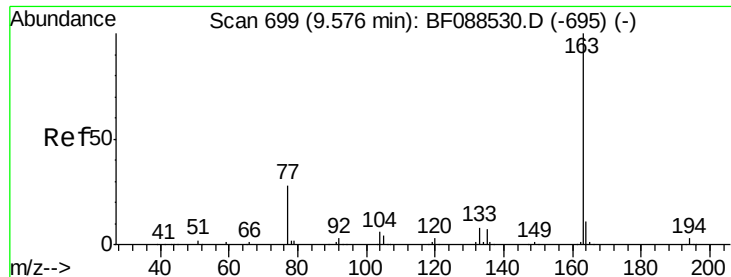
#48
Acenaphthylene
Concen: 2.33 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

Tgt Ion:152 Resp: 19990
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 13.9 11.0 16.6



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





#49

Dimethylphthalate

Concen: 39.15 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

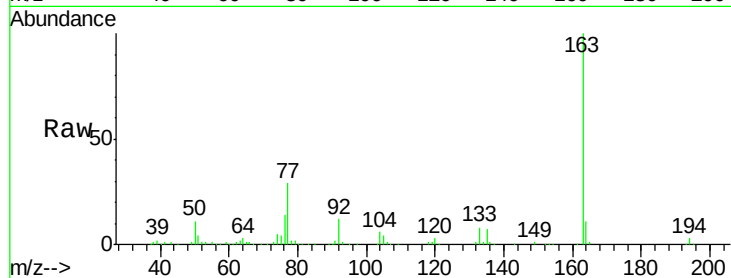
Tot Ion:163 Resp: 231187

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

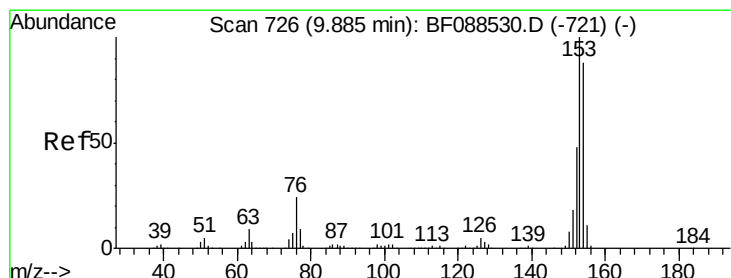
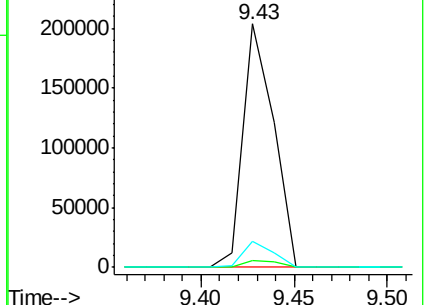
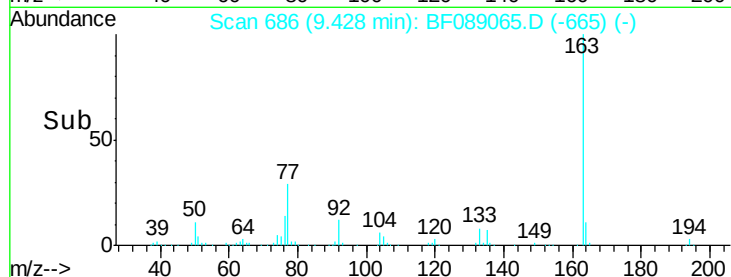
164 10.5 8.3 12.5



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



#51

Acenaphthene

Concen: 4.05 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

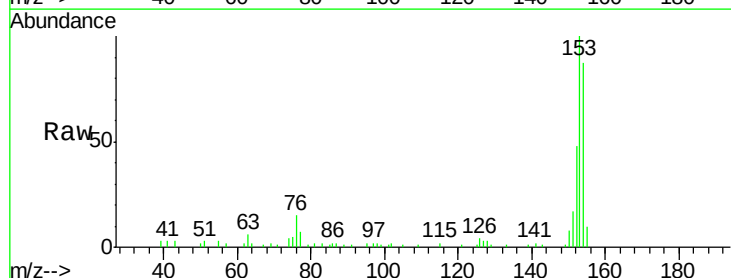
Tgt Ion:154 Resp: 21278

Ion Ratio Lower Upper

154 100

153 114.8 89.5 134.3

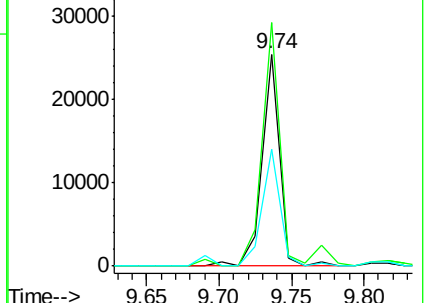
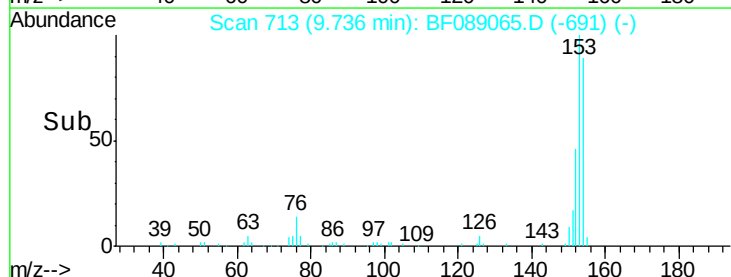
152 55.2 42.7 64.1

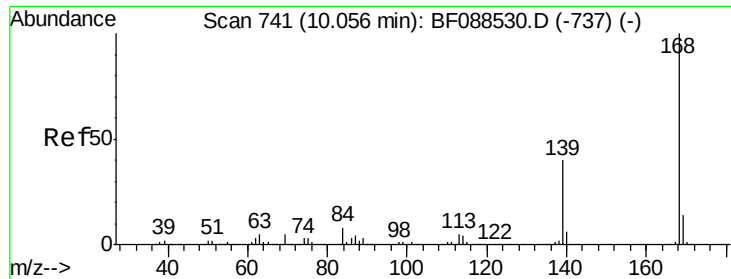


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

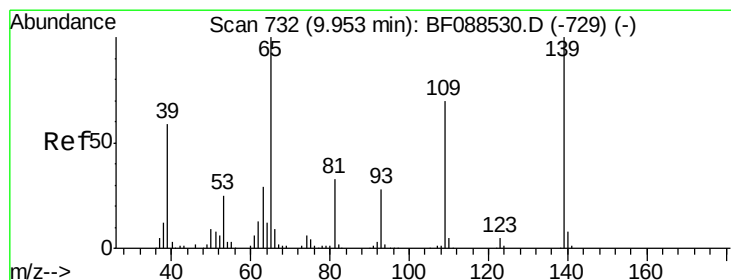
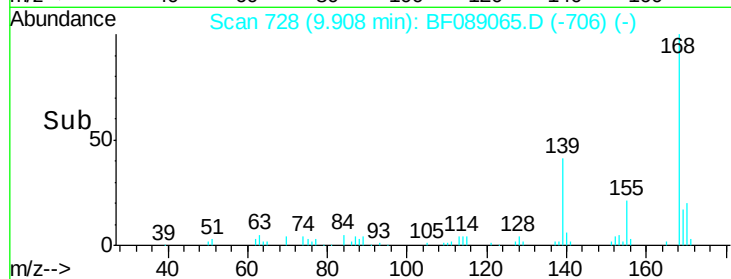
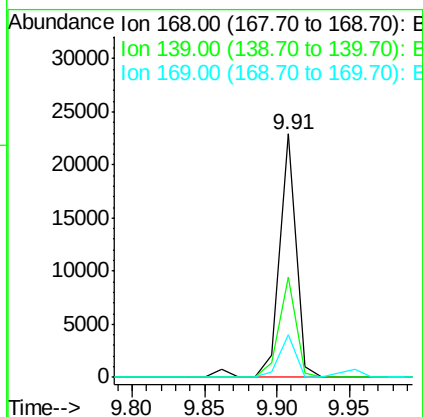
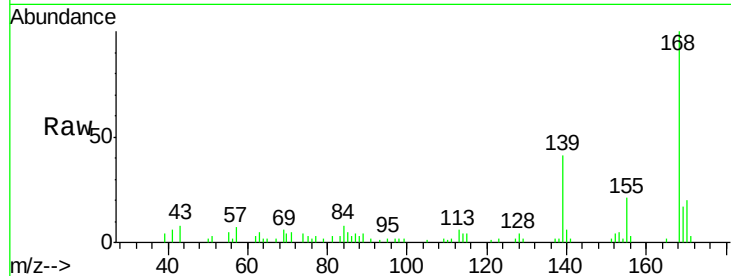




#54
Dibenzofuran
Concen: 2.68 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.05 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

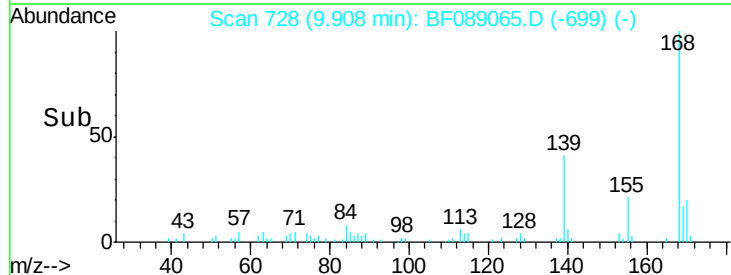
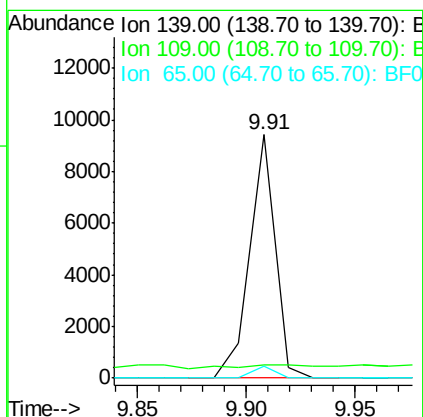
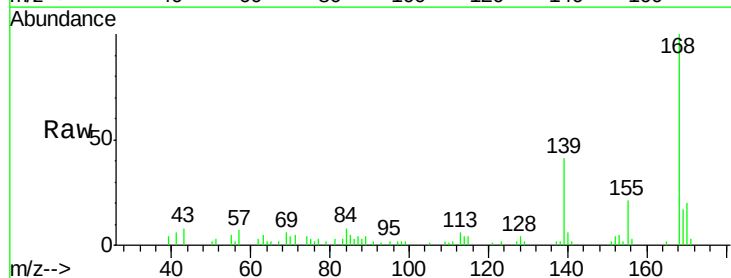
Instrument :
BNA_F
ClientSampleId :

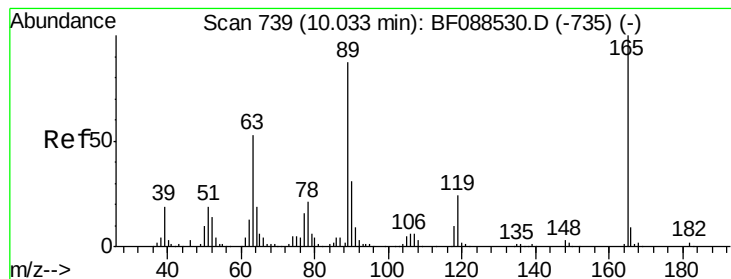
Tot Ion:168 Resp: 18417
Ion Ratio Lower Upper
168 100
139 41.1 26.4 39.6#
169 17.3 10.4 15.6#



#55
4-Nitrophenol
Concen: 6.08 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.03 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

Tgt Ion:139 Resp: 7683
Ion Ratio Lower Upper
139 100
109 5.5 48.9 88.9#
65 4.8 84.9 124.9#





#56

2,4-Dinitrotoluene

Concen: 6.95 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.24 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 11892

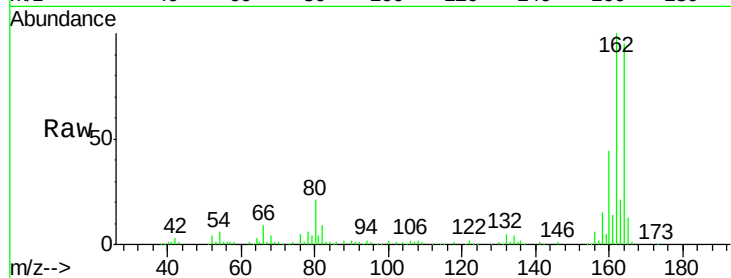
Ion Ratio Lower Upper

165 100

63 2.5 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

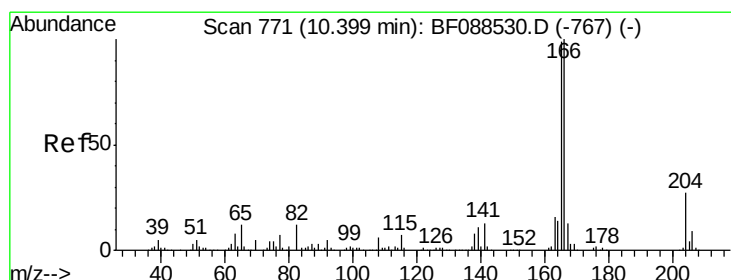
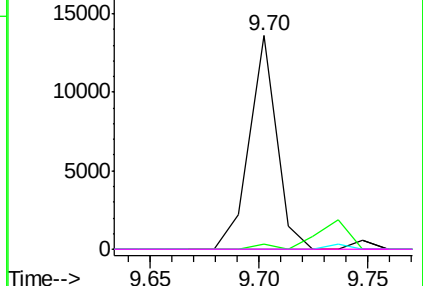
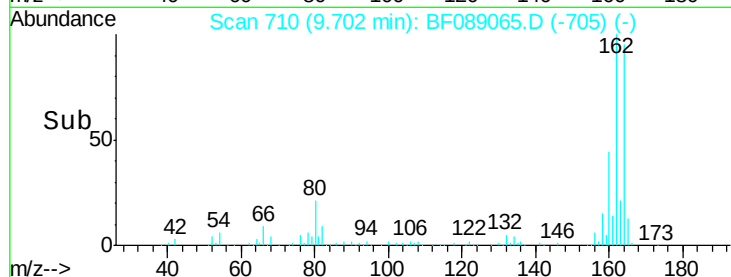


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.72 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.05 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

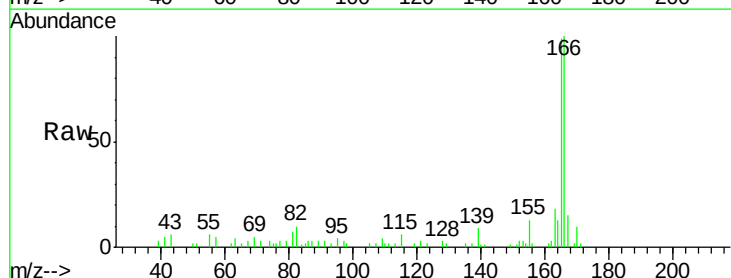
Tgt Ion:166 Resp: 19737

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.8

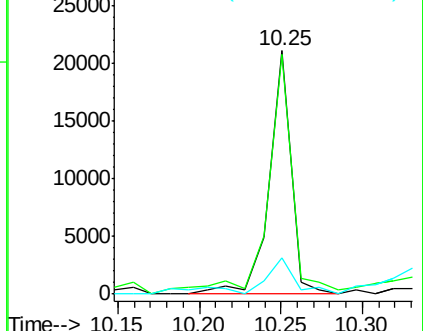
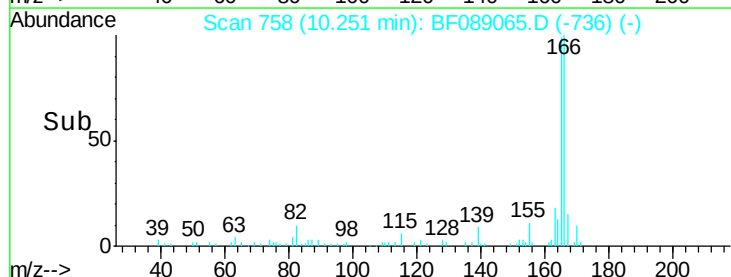
167 14.8 11.2 16.8

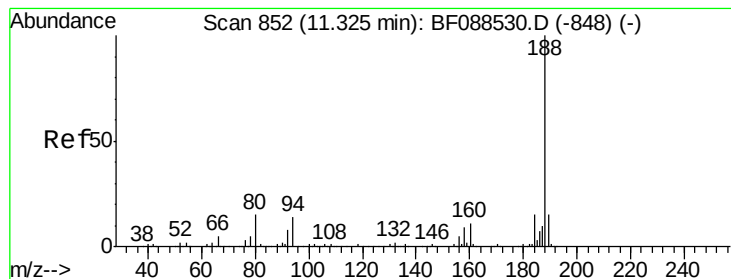


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

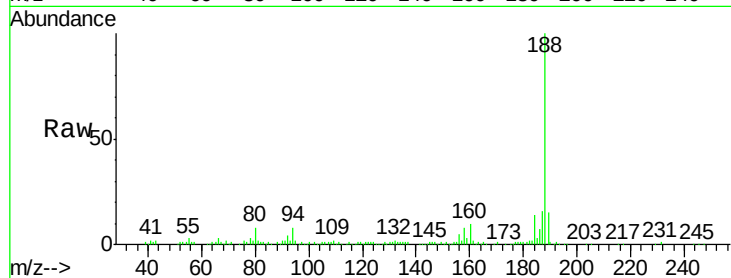
Tot Ion:188 Resp: 130194

Ion Ratio Lower Upper

188 100

94 7.6 9.0 13.6#

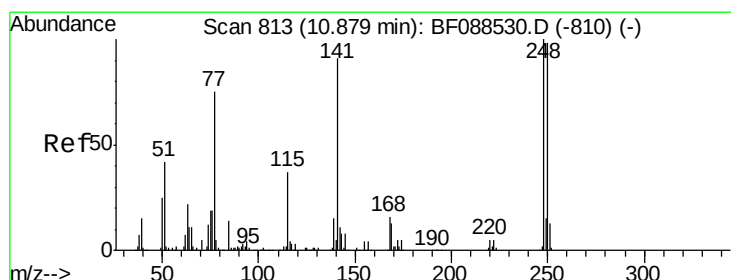
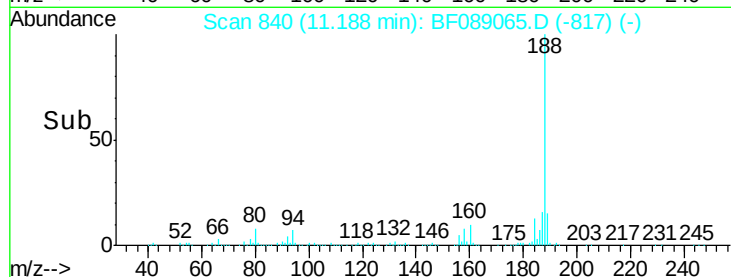
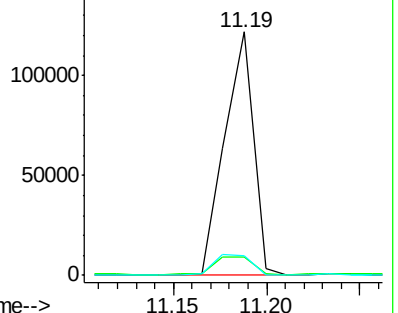
80 8.0 10.0 15.0#



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: 3.85 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.29 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

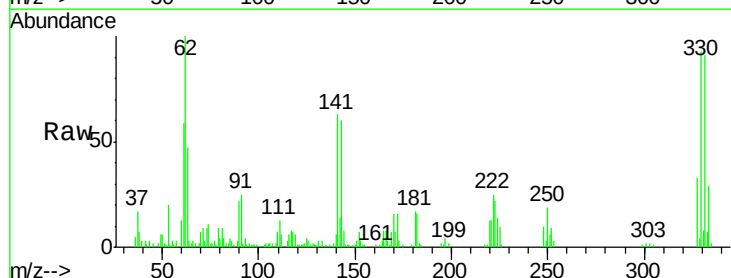
Tgt Ion:248 Resp: 5052

Ion Ratio Lower Upper

248 100

250 189.0 77.1 115.7#

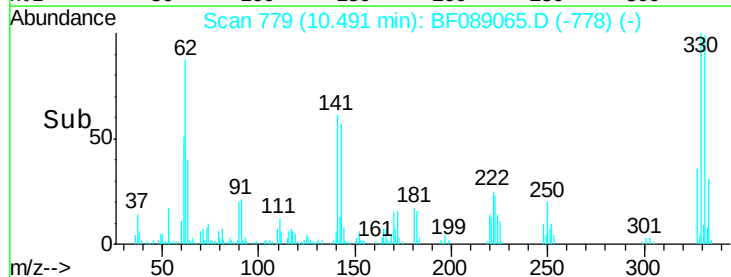
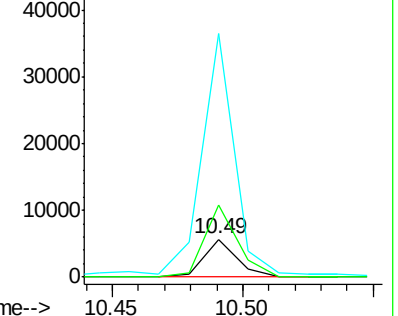
141 641.4 50.6 76.0#

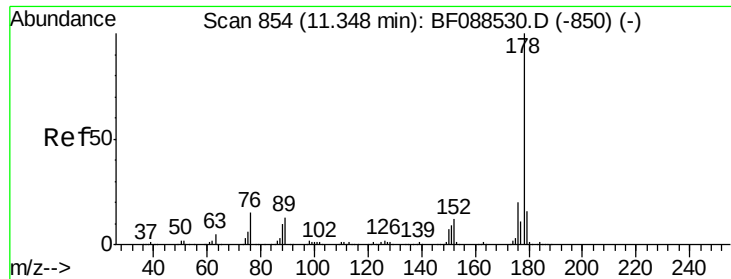


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

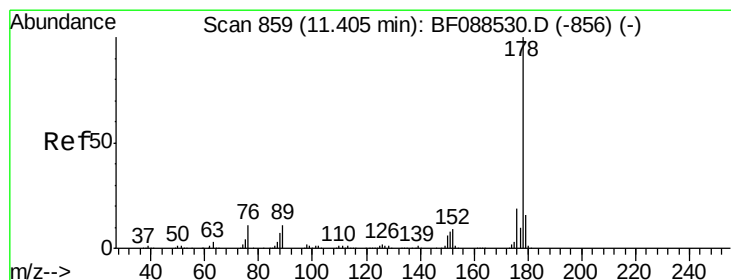
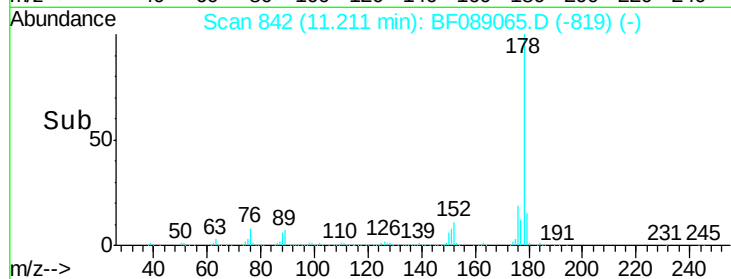
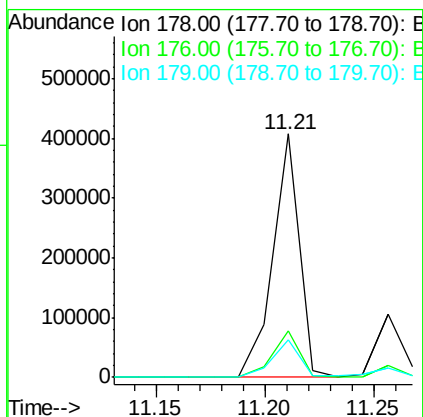
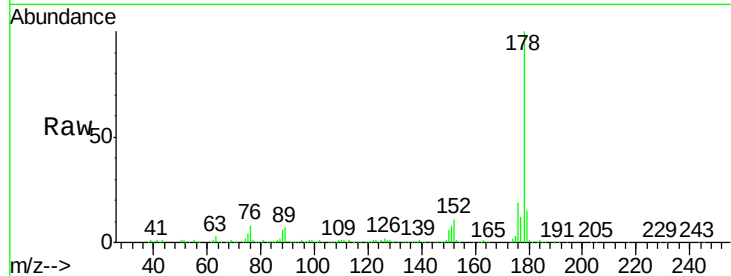




#70
Phenanthrene
Concen: 49.17 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

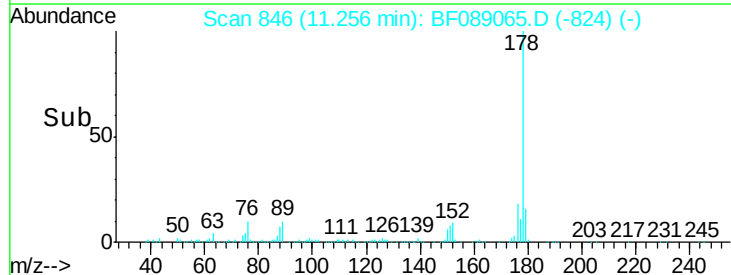
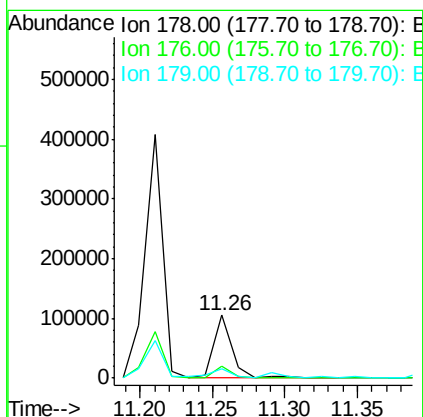
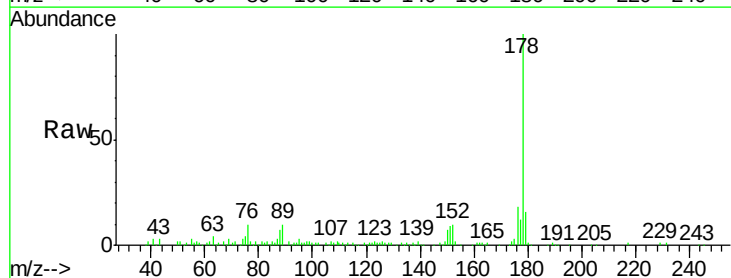
Instrument :
BNA_F
ClientSampleId :

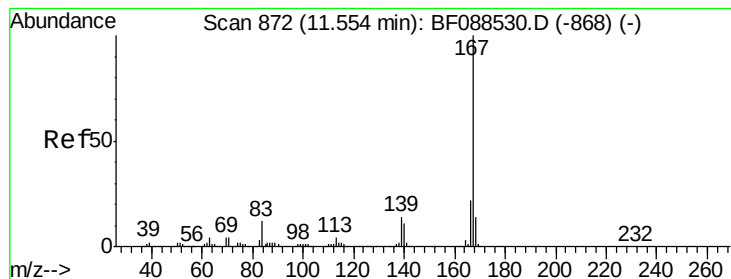
Tot Ion:178 Resp: 349911
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.2 13.0 19.4



#71
Anthracene
Concen: 12.76 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.05 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

Tgt Ion:178 Resp: 90319
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.9 12.8 19.2





#72

Carbazole

Concen: 8.54 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.03 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

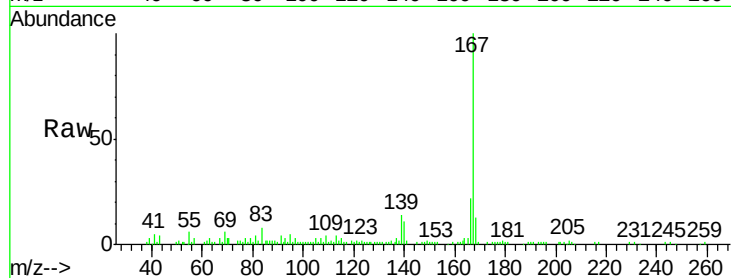
Tot Ion:167 Resp: 56878

Ion Ratio Lower Upper

167 100

166 22.1 17.8 26.6

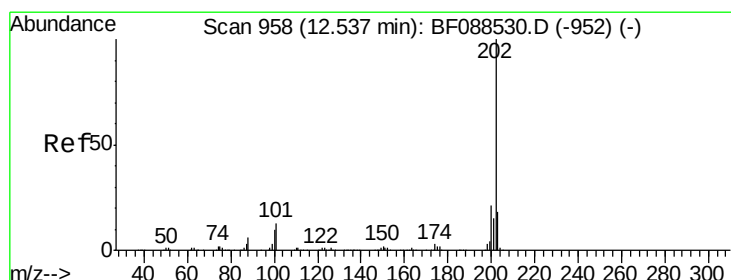
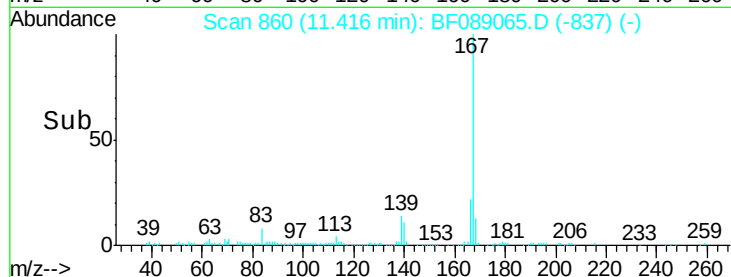
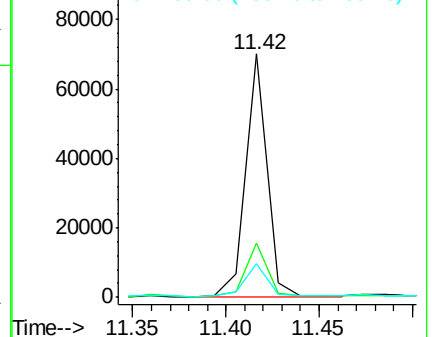
139 13.9 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 115.19 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

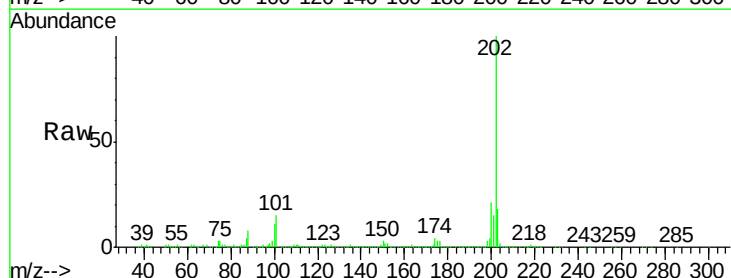
Tgt Ion:202 Resp: 831067

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.1

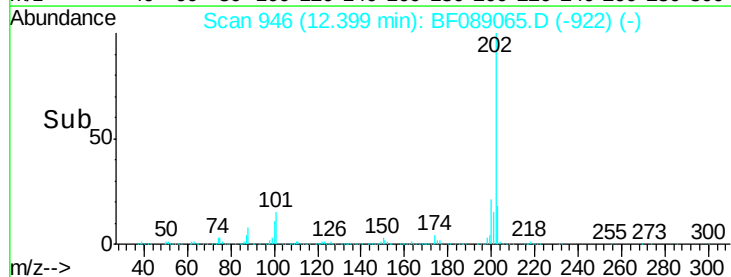
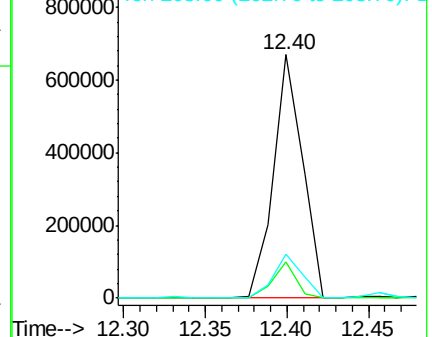
203 18.0 0.0 38.1

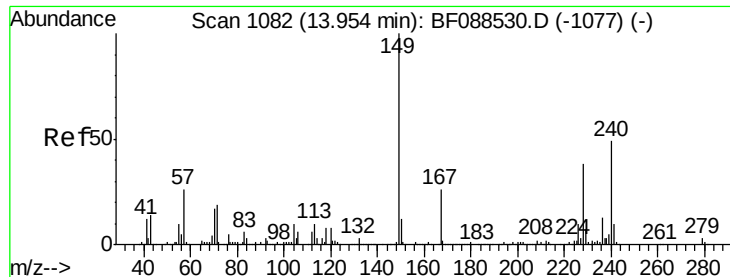


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

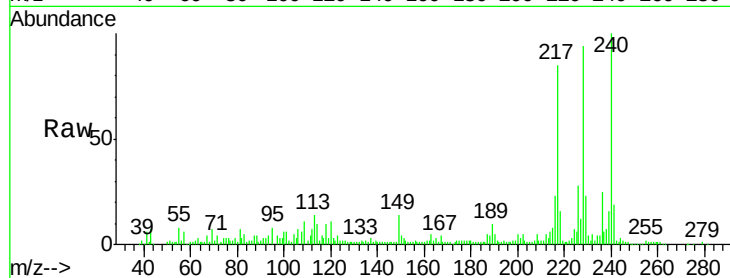
Tot Ion:240 Resp: 106168

Ion Ratio Lower Upper

240 100

120 10.6 6.8 10.2#

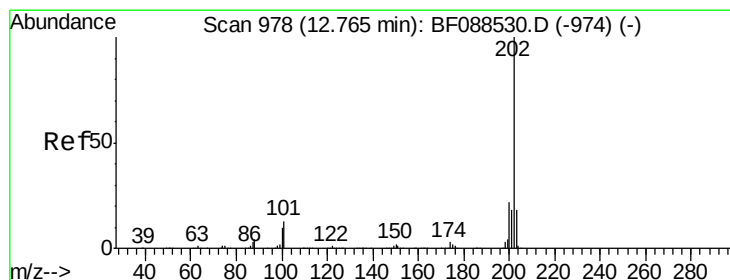
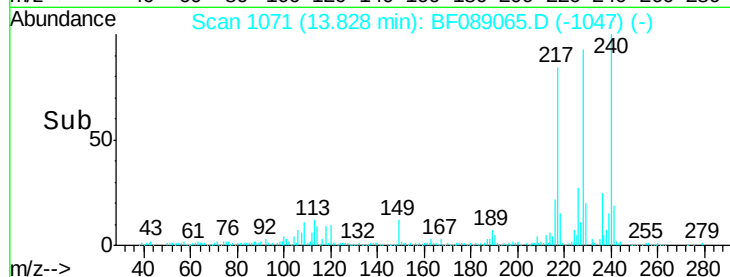
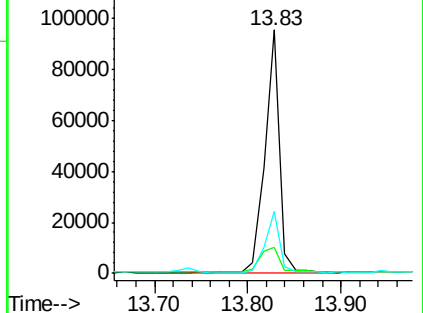
236 25.4 20.2 30.2



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: 80.71 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

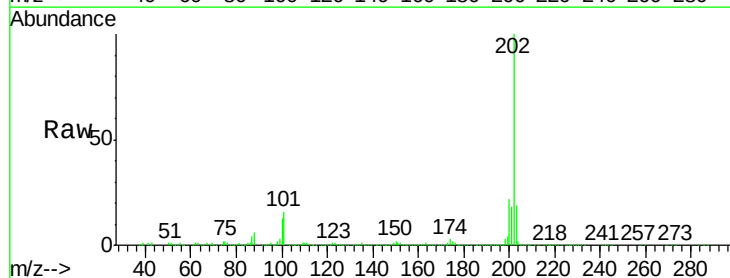
Tgt Ion:202 Resp: 726526

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

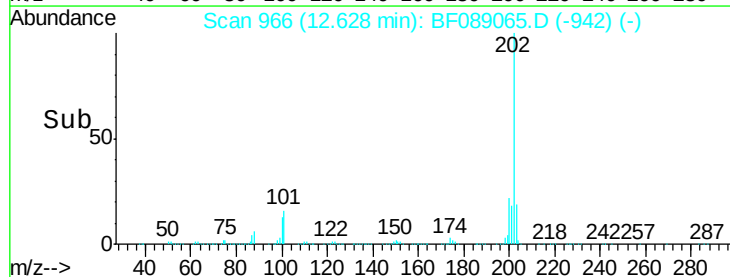
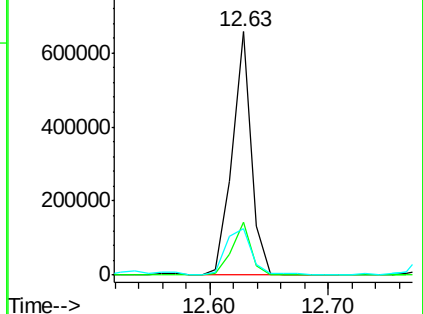
203 18.9 14.5 21.7

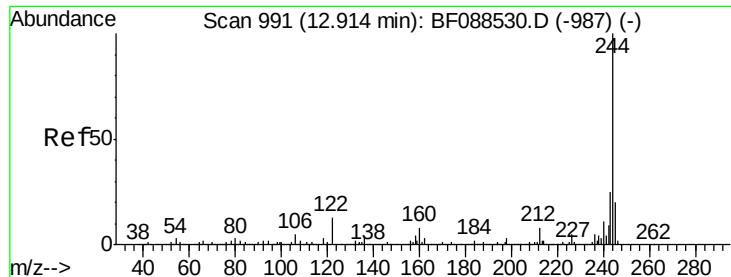


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

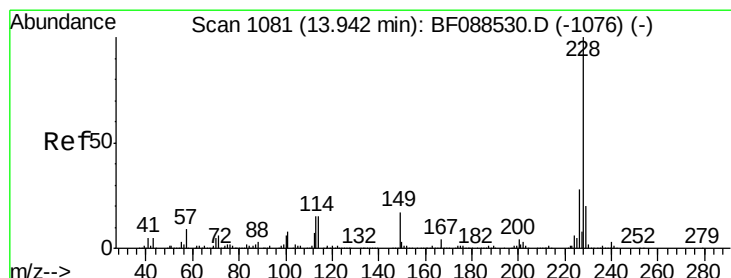
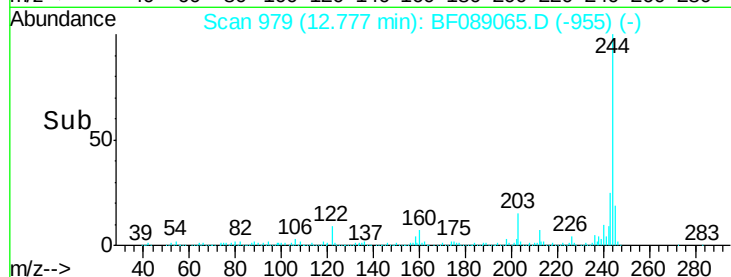
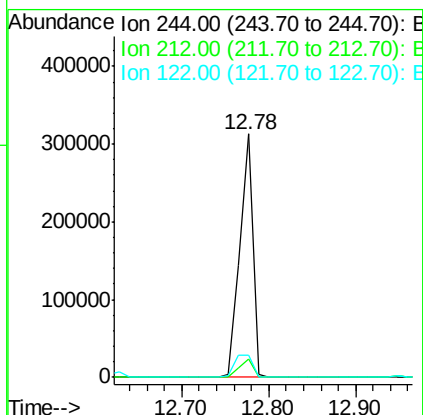
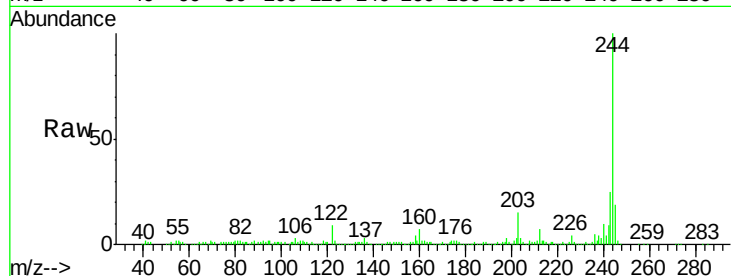




#78
 Terphenyl-d14
 Concen: 67.25 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089065.D
 Acq: 16 Jul 2016 20:13

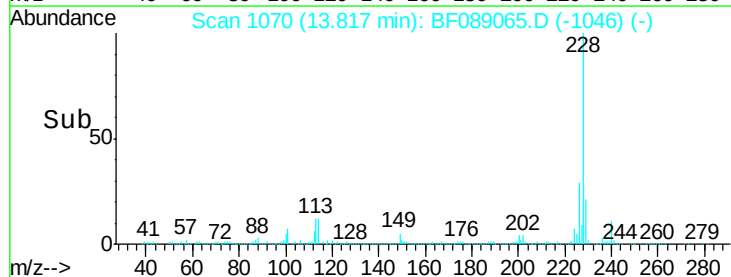
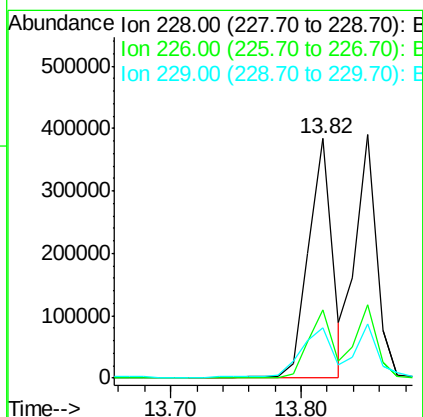
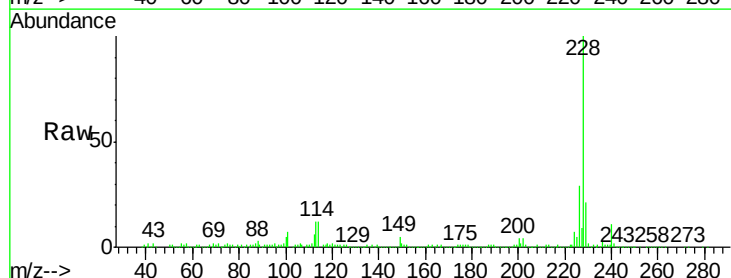
Instrument :
 BNA_F
 ClientSampleId :

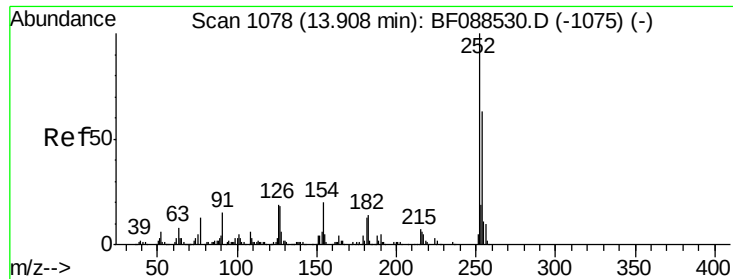
Tot Ion:244 Resp: 320548
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.3 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 70.10 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF089065.D
 Acq: 16 Jul 2016 20:13

Tgt Ion:228 Resp: 479196
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.3 33.5
 229 20.9 16.0 24.0





#81

3,3'-Dichlorobenzidine

Concen: 2.58 ng

RT: 13.86 min Scan# 1074

Delta R.T. 0.06 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

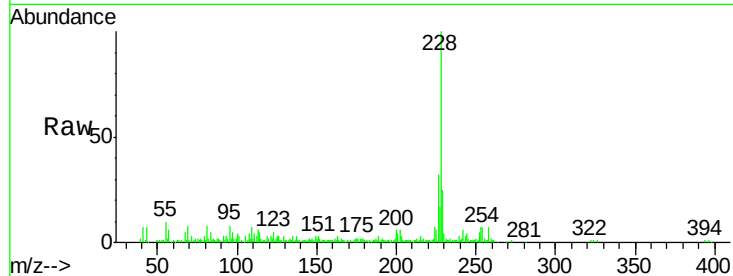
Tot Ion:252 Resp: 6634

Ion Ratio Lower Upper

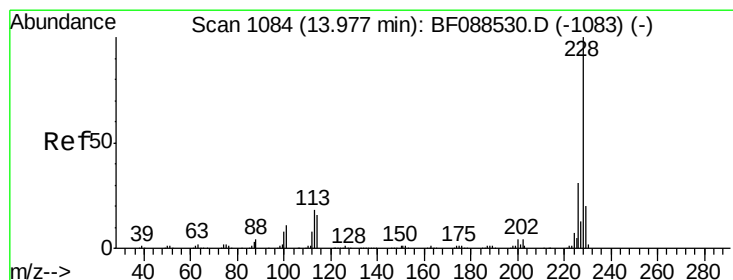
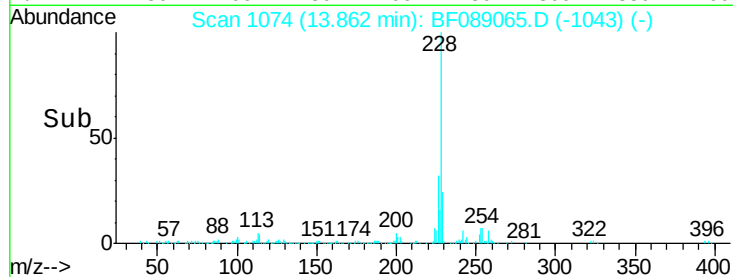
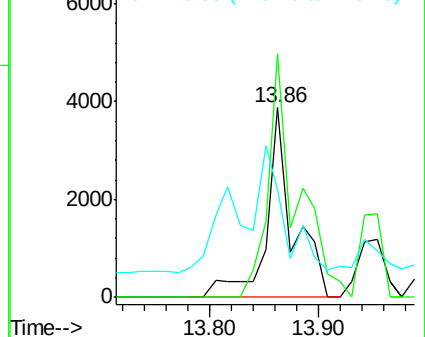
252 100

254 128.5 52.6 78.8#

126 57.1 6.2 9.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 70.85 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

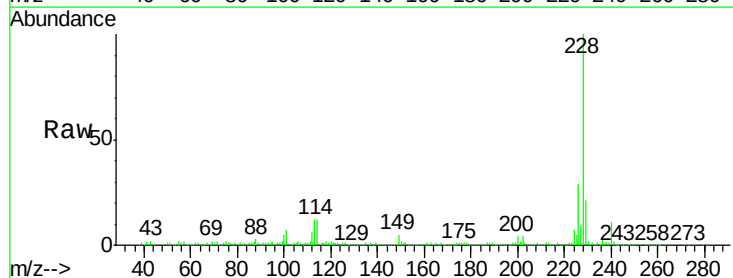
Tgt Ion:228 Resp: 479196

Ion Ratio Lower Upper

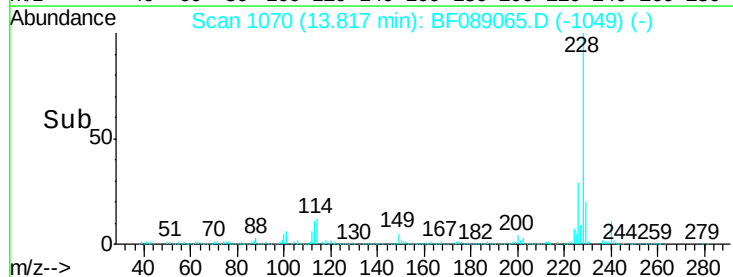
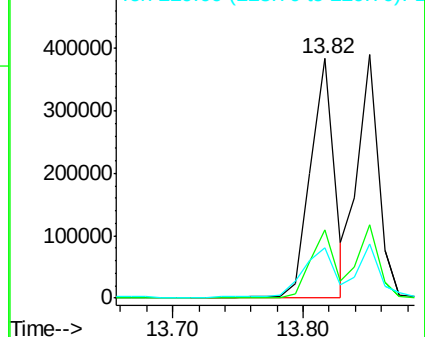
228 100

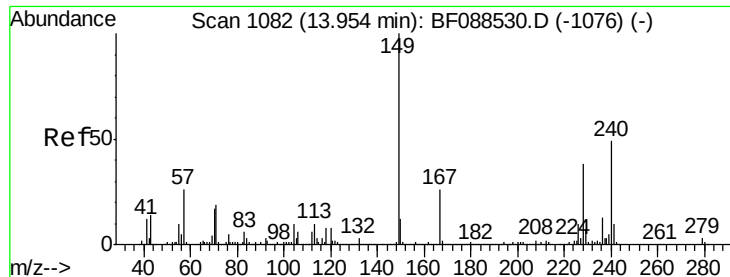
226 28.7 25.4 38.2

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

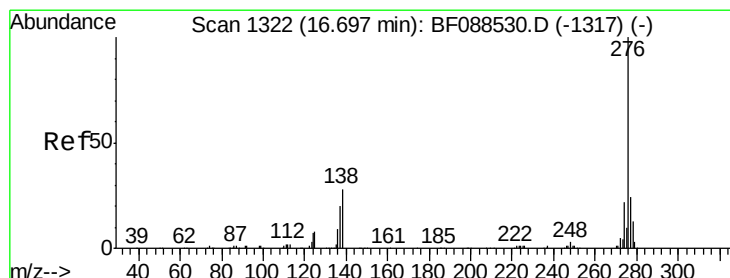
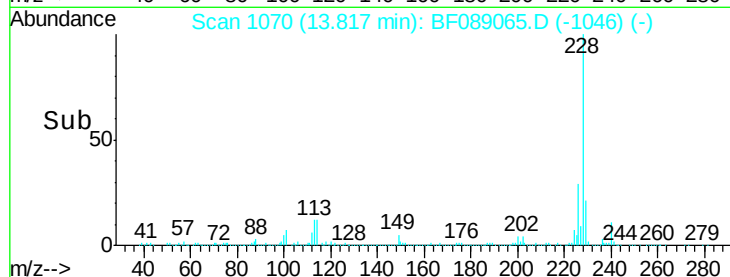
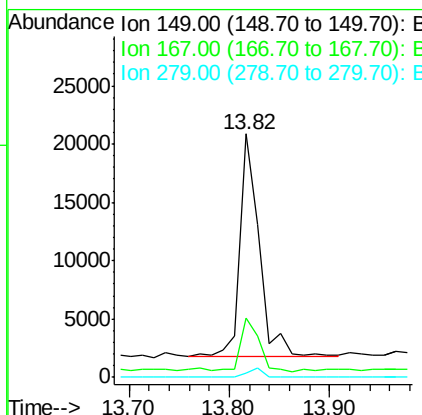
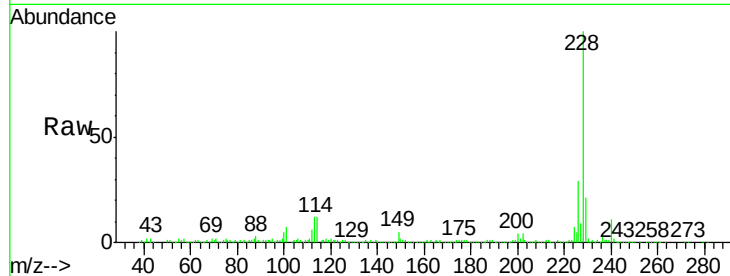




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.51 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF089065.D
 Acq: 16 Jul 2016 20:13

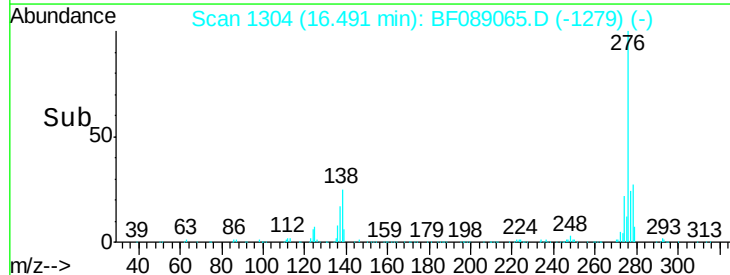
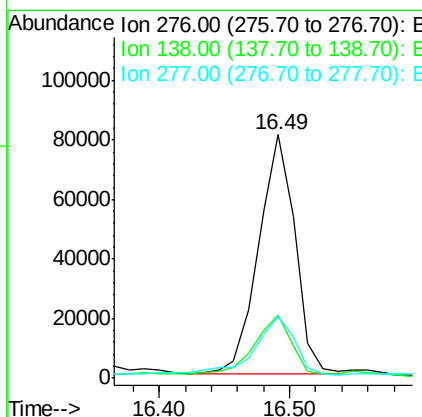
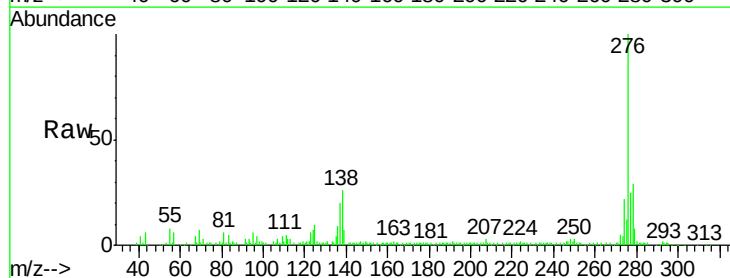
Instrument :
 BNA_F
 ClientSampleId :

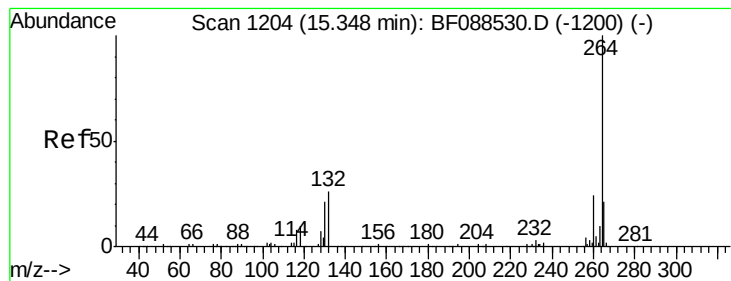
Tot Ion:149 Resp: 25268
 Ion Ratio Lower Upper
 149 100
 167 24.3 20.5 30.7
 279 2.0 2.0 3.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 30.01 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF089065.D
 Acq: 16 Jul 2016 20:13

Tgt Ion:276 Resp: 156168
 Ion Ratio Lower Upper
 276 100
 138 26.0 0.0 0.0#
 277 27.8 0.0 0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.20 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Instrument :

BNA_F

ClientSampleId :

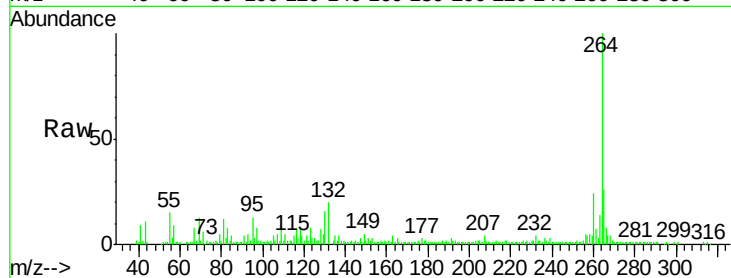
Tot Ion:264 Resp: 80267

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

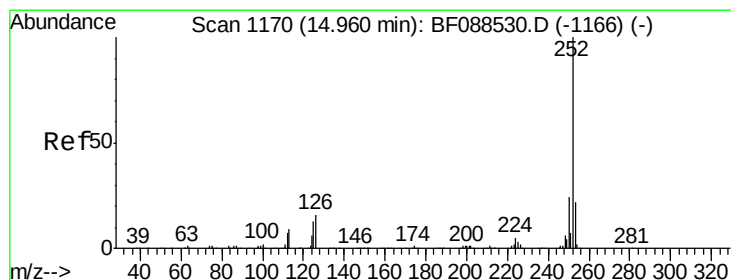
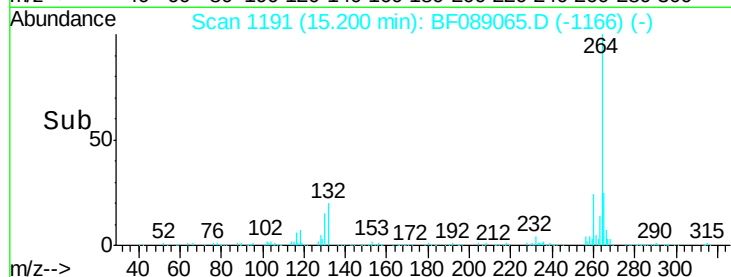
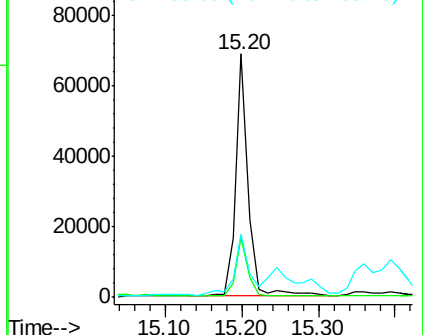
265 25.7 16.9 25.3#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 136.15 ng

RT: 14.83 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

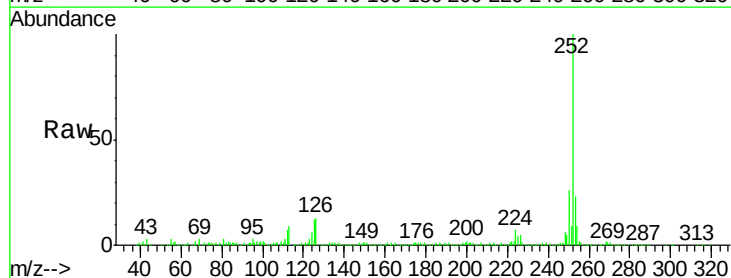
Tgt Ion:252 Resp: 685544

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

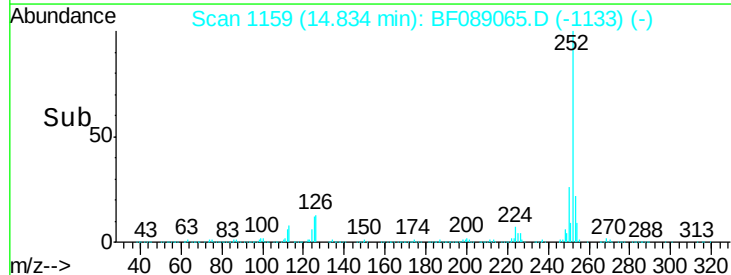
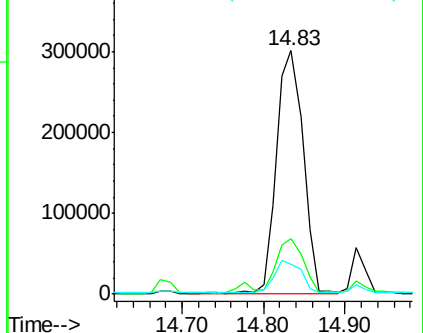
125 12.5 7.1 10.7#

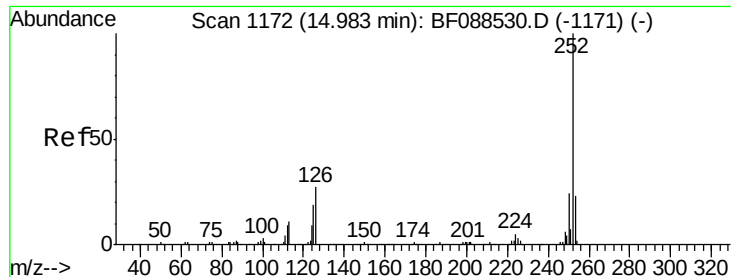


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

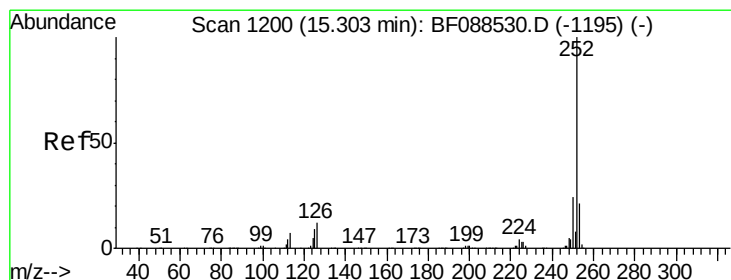
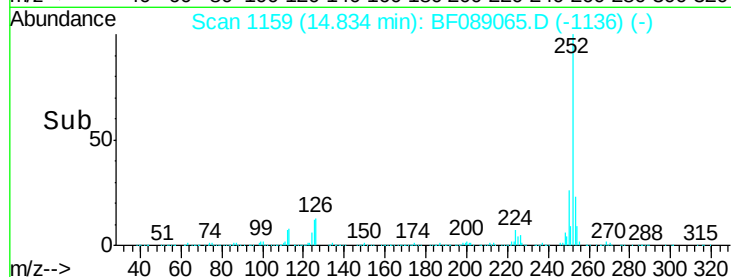
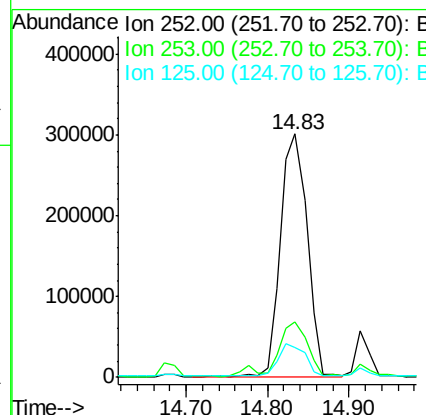
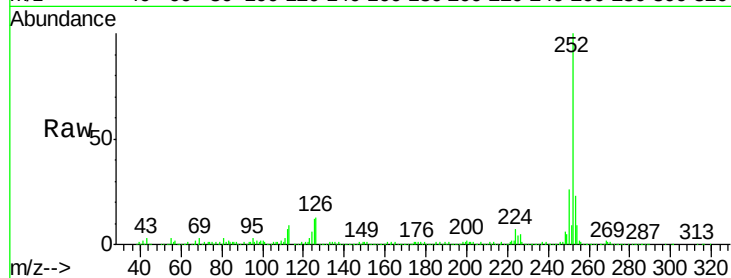




#88
Benzo(k)fluoranthene
Concen: 156.40 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.03 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

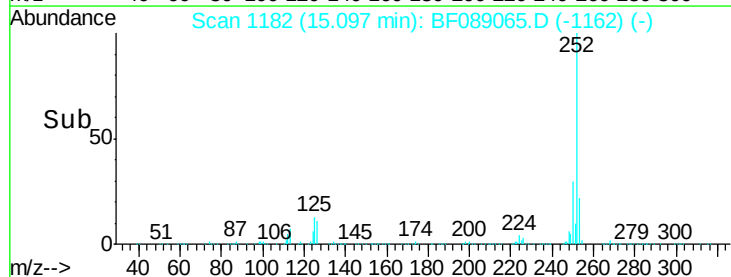
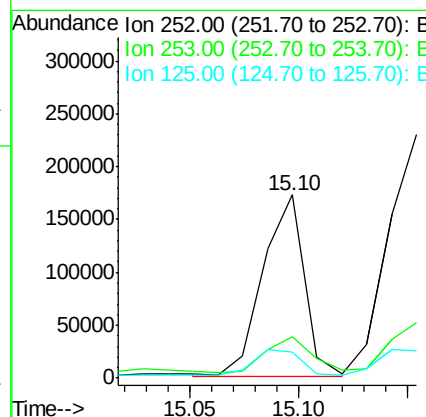
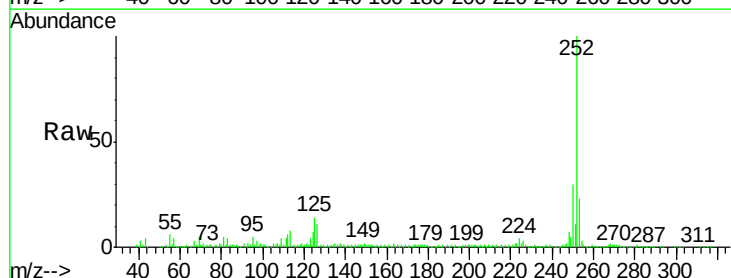
Instrument :
BNA_F
ClientSampleId :

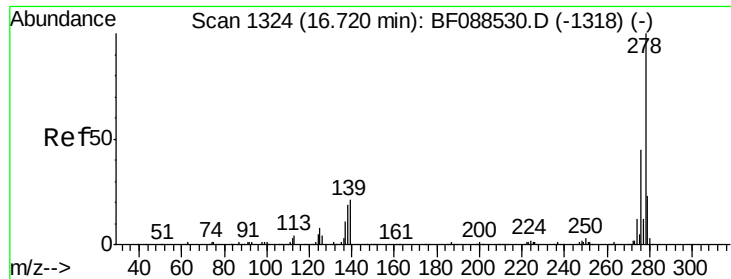
Tot Ion:252 Resp: 685544
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.5 11.2 16.8



#89
Benzo(a)pyrene
Concen: 53.84 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.07 min
Lab File: BF089065.D
Acq: 16 Jul 2016 20:13

Tgt Ion:252 Resp: 229526
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 14.1 12.5 18.7





#90

Dibenzo(a,h)anthracene

Concen: 8.12 ng

RT: 16.64 min Scan# 1317

Delta R.T. 0.13 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

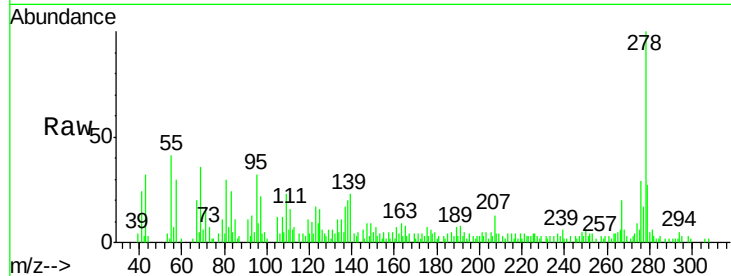
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 28897

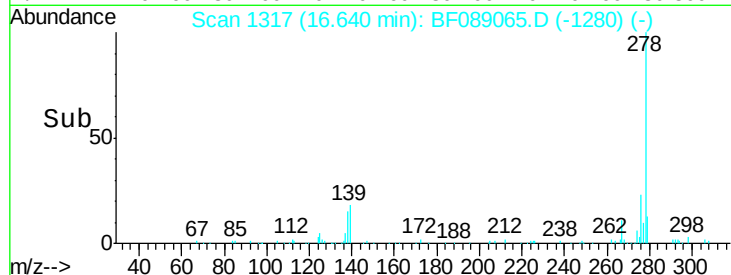
Ion	Ratio	Lower	Upper
278	100		
139	23.4	15.7	23.5
279	27.0	19.4	29.2



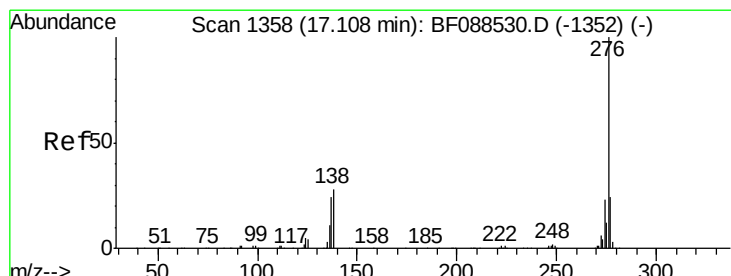
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 37.58 ng

RT: 16.88 min Scan# 1338

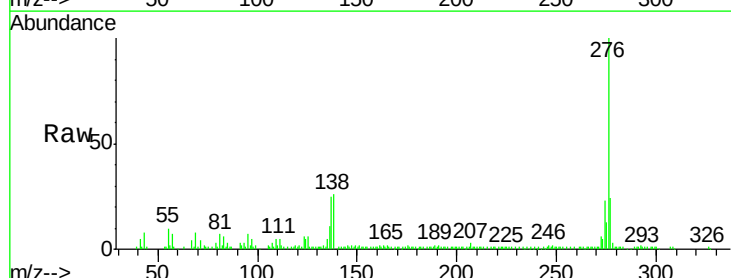
Delta R.T. -0.01 min

Lab File: BF089065.D

Acq: 16 Jul 2016 20:13

Tgt Ion:276 Resp: 138455

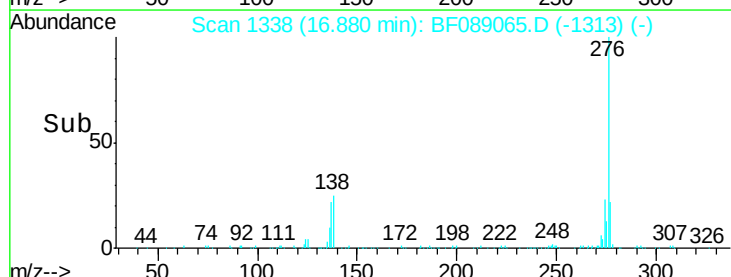
Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	26.2	21.4	32.2



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



Time-->