

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088427.D
 Acq On : 26 Jun 2016 19:26
 Operator : UM/SJ
 Sample : H3663-16 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 03:57:19 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	6.55	152	79237	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	330362	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	144390	20.00	ng	-0.07
63) Phenanthrene-d10	11.06	188	246912	20.00	ng	-0.06
75) Chrysene-d12	13.68	240	143656	20.00	ng	-0.07
86) Perylene-d12	15.04	264	165258	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	259892	56.07	ng	-0.05
7) Phenol-d6	6.22	99	348838	62.10	ng	-0.05
23) Nitrobenzene-d5	7.12	82	207030	36.59	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	68414	44.87	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	392551	39.76	ng	-0.06
78) Terphenyl-d14	12.63	244	275068	43.57	ng	-0.07

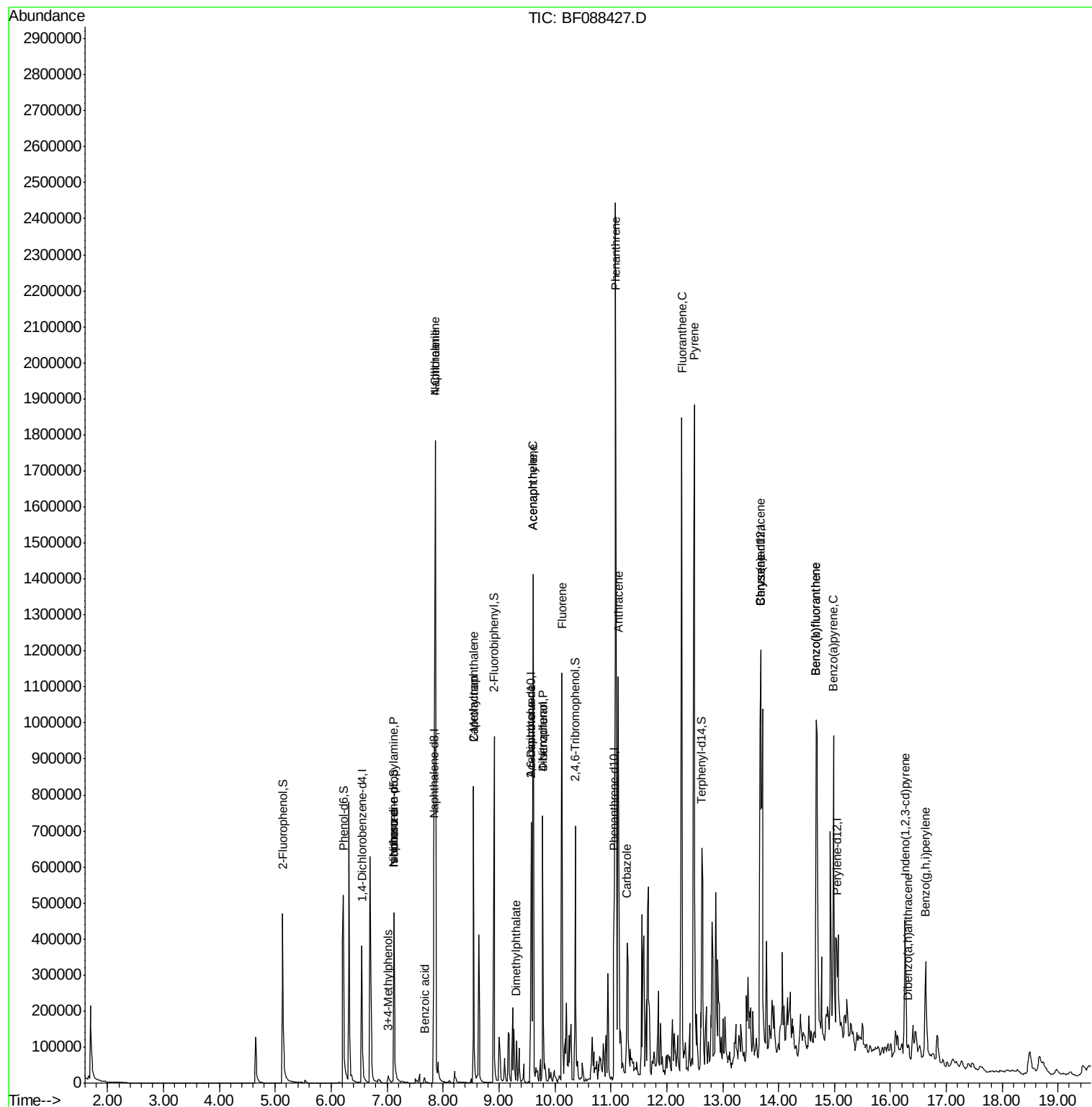
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.12	70	25374	7.06	ng	# 71
20) 3+4-Methylphenols	7.02	107	18166	3.50	ng	# 74
25) Isophorone	7.12	82	201718	19.25	ng	# 65
31) Naphthalene	7.86	128	1118950	68.44	ng	99
32) Benzoic acid	7.67	122	7807	2.62	ng	# 13
33) 4-Chloroaniline	7.86	127	149683	20.50	ng	# 34
35) Caprolactam	8.55	113	4811	3.22	ng	# 1
37) 2-Methylnaphthalene	8.55	142	244727	22.71	ng	98
45) 1,1'-Biphenyl	9.00	154	63981	Below Cal		99
48) Acenaphthylene	9.61	152	178421	12.01	ng	# 1
49) Dimethylphthalate	9.31	163	50285	4.81	ng	99
50) 2,6-Dinitrotoluene	9.58	165	24228	10.11	ng	# 41
51) Acenaphthene	9.61	154	316285	34.11	ng	98
54) Dibenzofuran	9.78	168	309682	24.25	ng	91
55) 4-Nitrophenol	9.78	139	120257	56.06	ng	# 6
57) Fluorene	10.12	166	342085	39.00	ng	99
70) Phenanthrene	11.09	178	1469551	113.42	ng	99
71) Anthracene	11.13	178	575198	44.01	ng	98
72) Carbazole	11.29	167	269064	22.00	ng	99
74) Fluoranthene	12.27	202	1297971	94.93	ng	95
77) Pyrene	12.49	202	940380	88.21	ng	98
80) Benzo(a)anthracene	13.68	228	562640	68.73	ng	98
82) Chrysene	13.68	228	562640	73.05	ng	95
85) Indeno(1,2,3-cd)pyrene	16.26	276	259894	36.32	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	778115	67.55	ng	# 93
88) Benzo(k)fluoranthene	14.67	252	778115	89.55	ng	98
89) Benzo(a)pyrene	14.98	252	436103	46.80	ng	98
90) Dibenzo(a,h)anthracene	16.32	278	28284	3.27	ng	# 85
91) Benzo(g,h,i)perylene	16.63	276	223905	25.15	ng	98

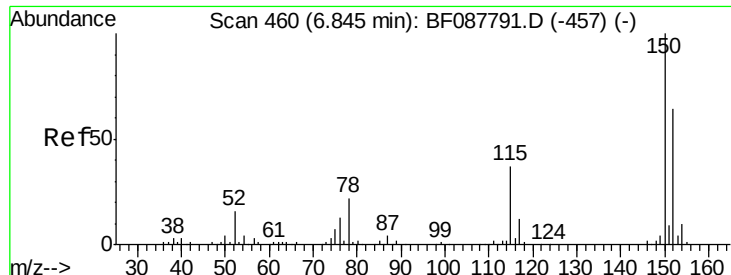
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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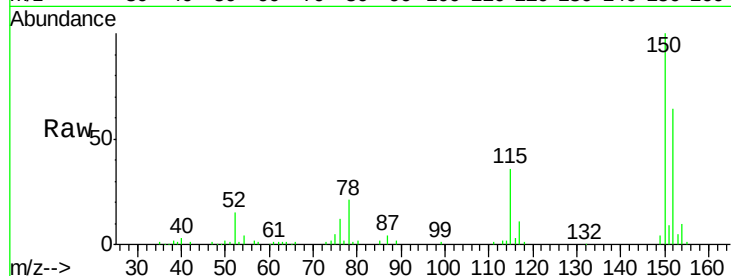


#1

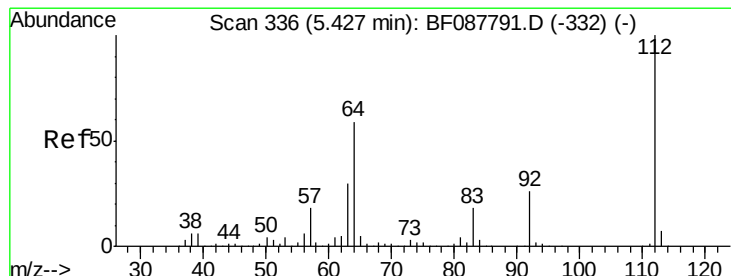
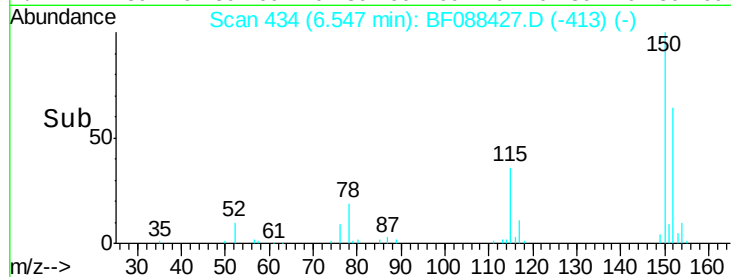
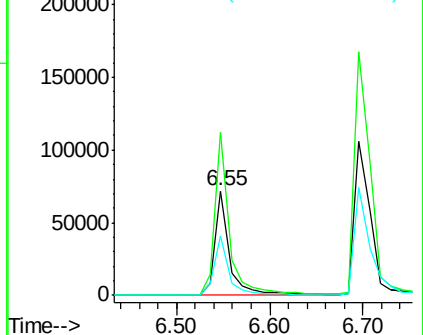
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 79237
Ion Ratio Lower Upper
152 100
150 155.6 123.8 185.6
115 56.8 39.6 59.4



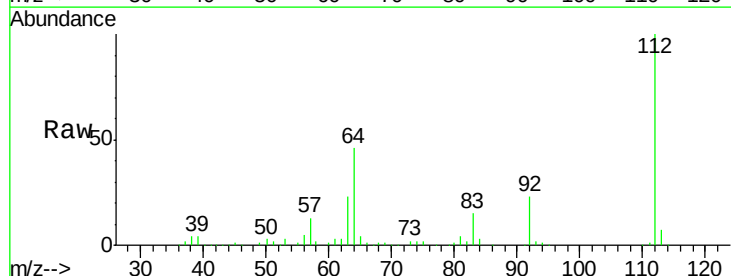
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



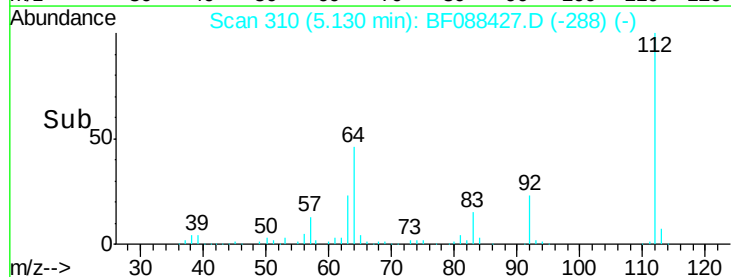
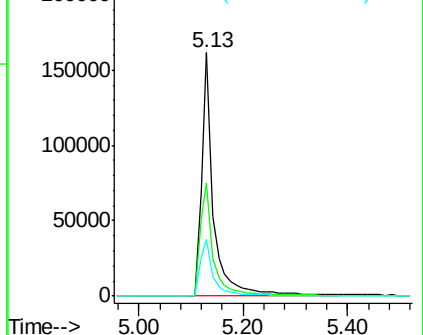
#5

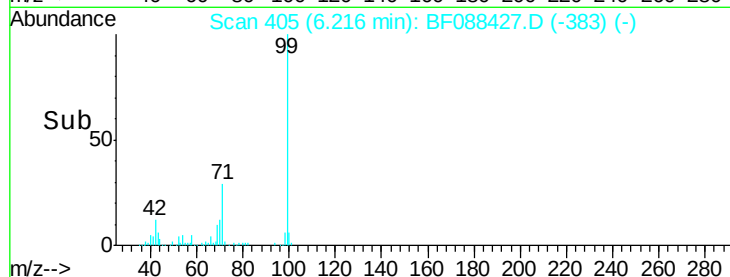
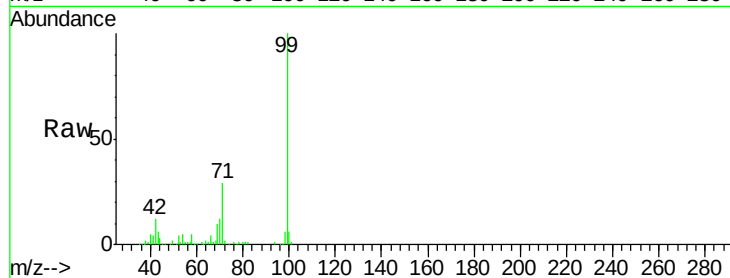
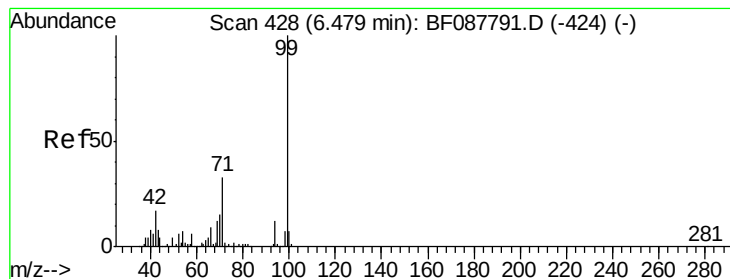
2-Fluorophenol
Concen: 56.07 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:112 Resp: 259892
Ion Ratio Lower Upper
112 100
64 46.3 42.2 63.2
63 23.3 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: 62.10 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampled :

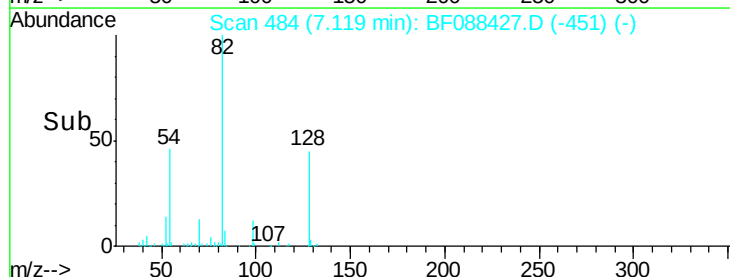
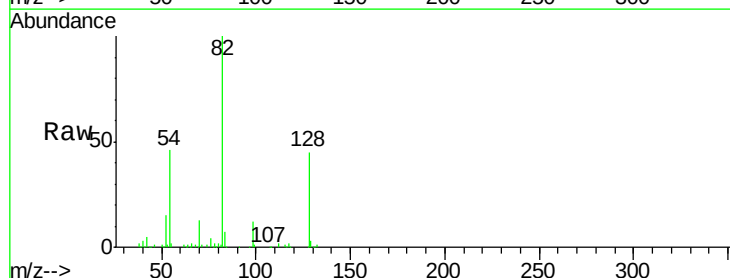
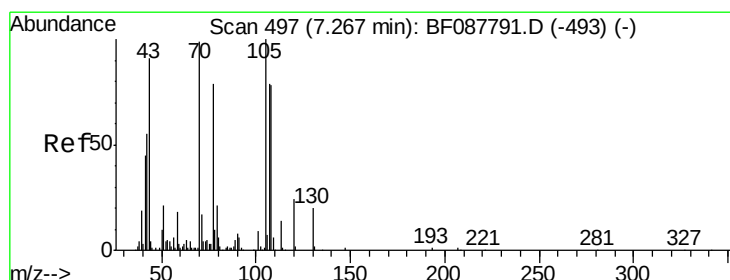
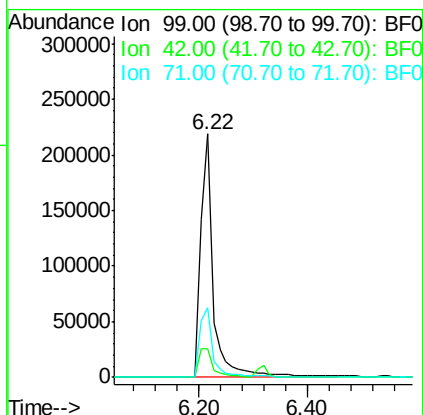
Tot Ion: 99 Resp: 348838

Ion Ratio Lower Upper

99 100

42 11.6 12.2 18.2#

71 28.7 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.06 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.08 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Tgt Ion: 70 Resp: 25374

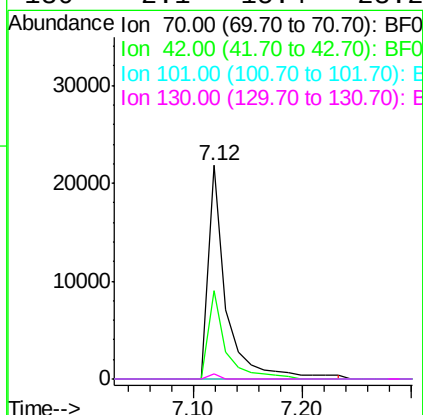
Ion Ratio Lower Upper

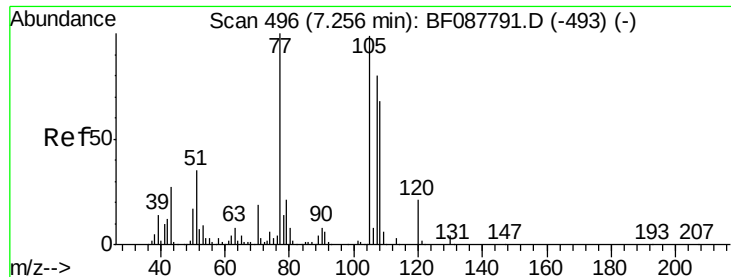
70 100

42 41.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#20

3+4-Methylphenols

Concen: 3.50 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.03 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 18166

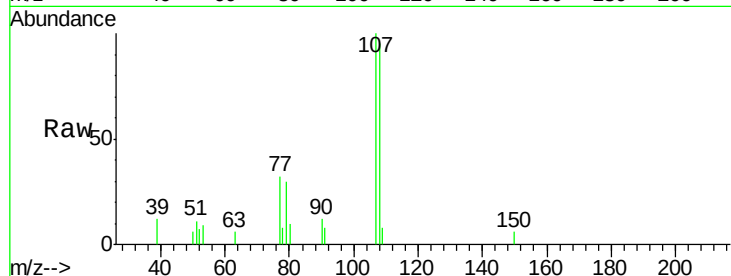
Ion Ratio Lower Upper

107 100

108 94.5 67.8 107.8

77 32.2 59.3 99.3#

79 29.7 7.0 47.0

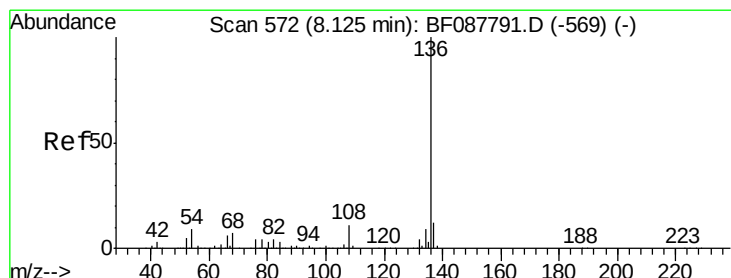
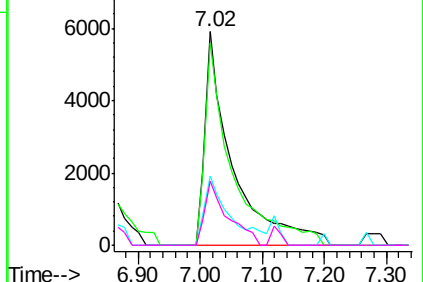
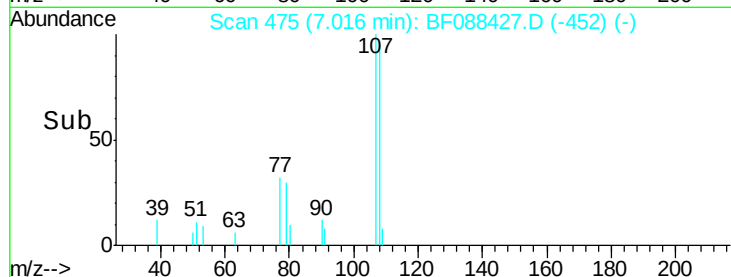


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.06 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Tgt Ion:136 Resp: 330362

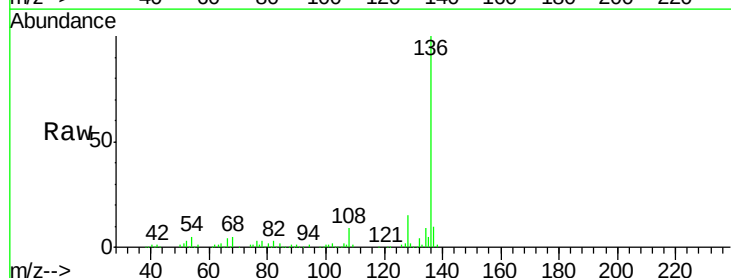
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.0 6.6 10.0#

68 4.7 5.1 7.7#

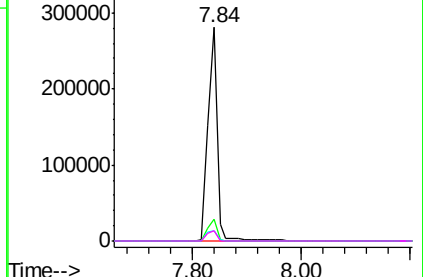
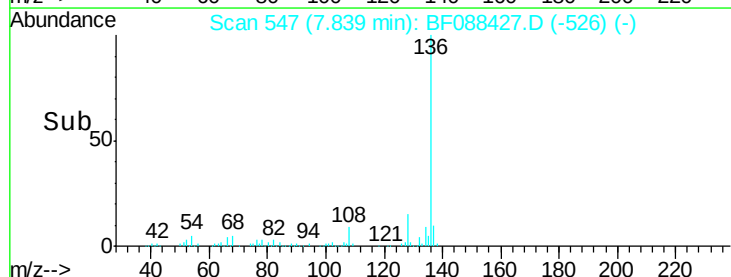


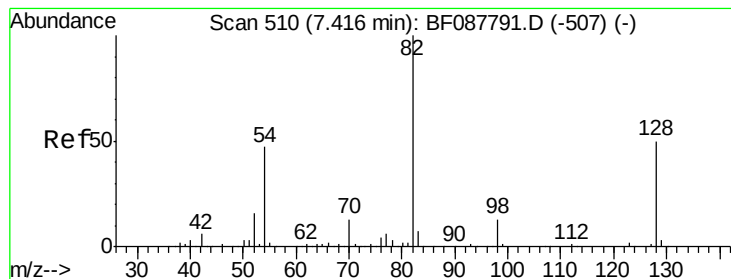
Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.59 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampleId :

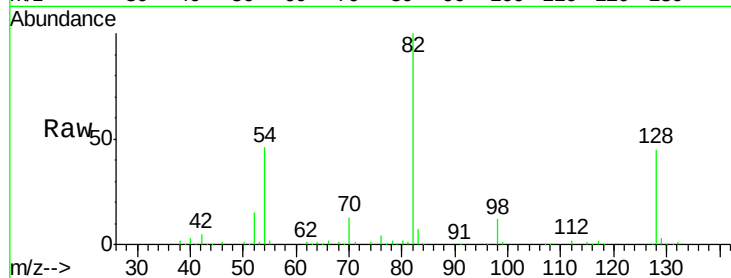
Tot Ion: 82 Resp: 207030

Ion Ratio Lower Upper

82 100

128 44.7 35.9 53.9

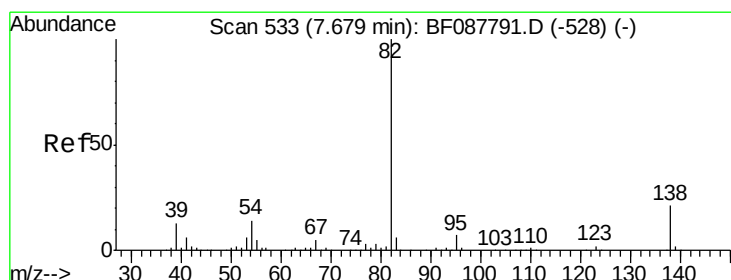
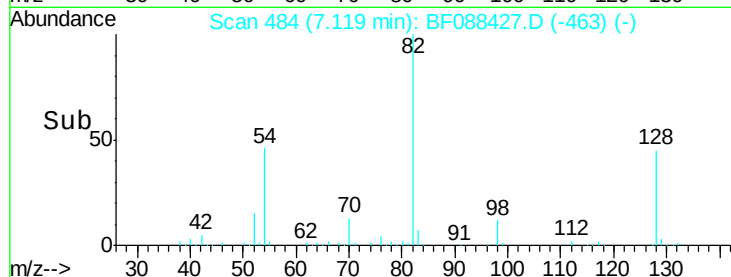
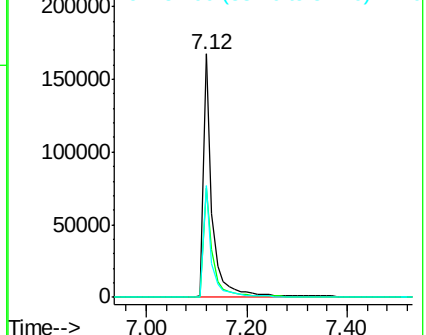
54 45.7 40.9 61.3



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: 19.25 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.32 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

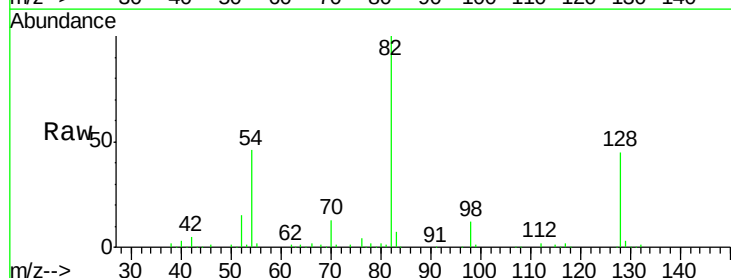
Tgt Ion: 82 Resp: 201718

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

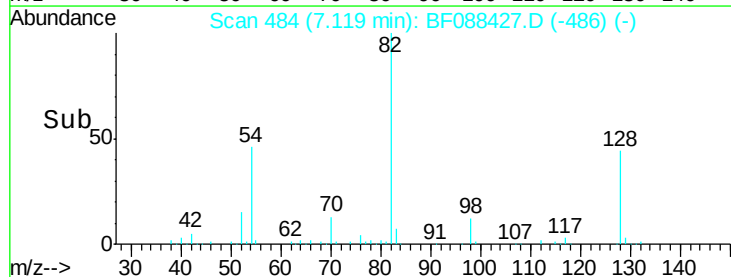
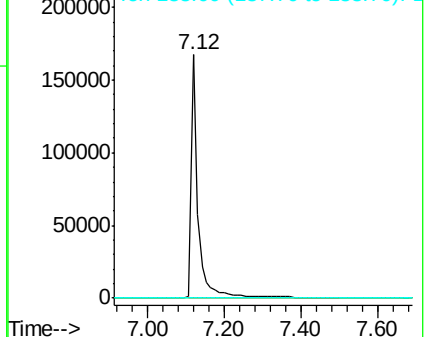
138 0.0 14.6 21.8#

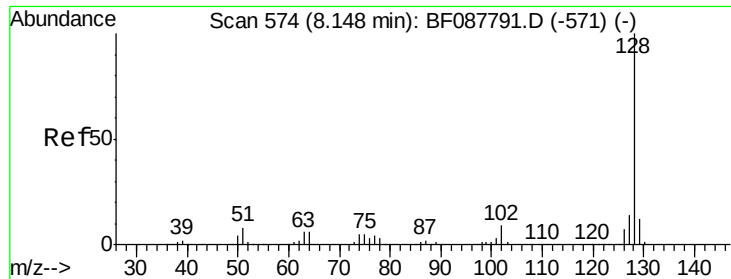


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

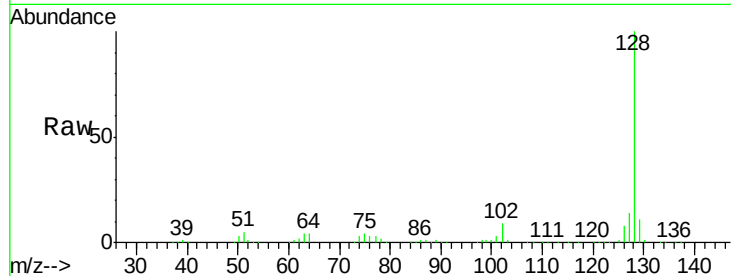




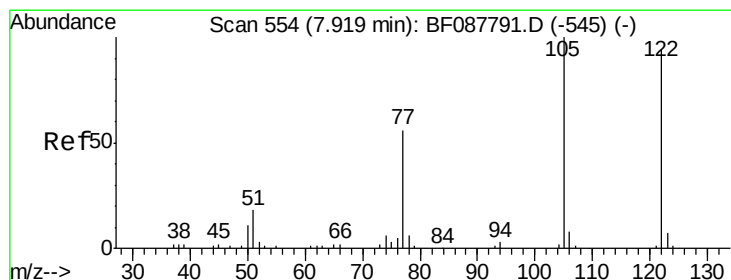
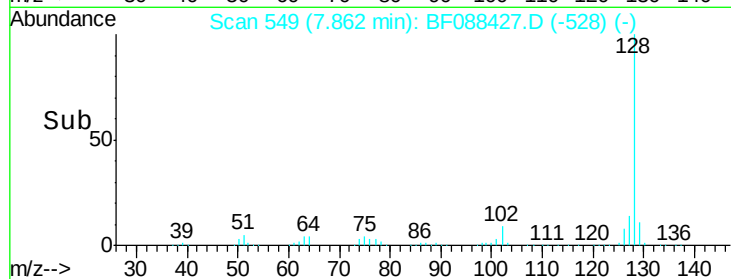
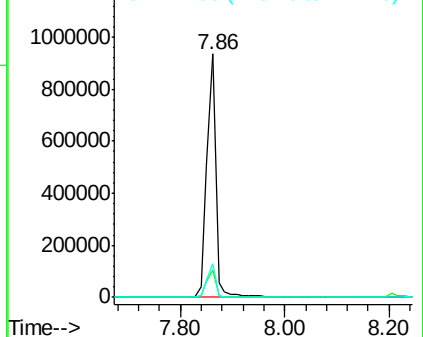
#31
Naphthalene
Concen: 68.44 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 1118950
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.6 10.9 16.3

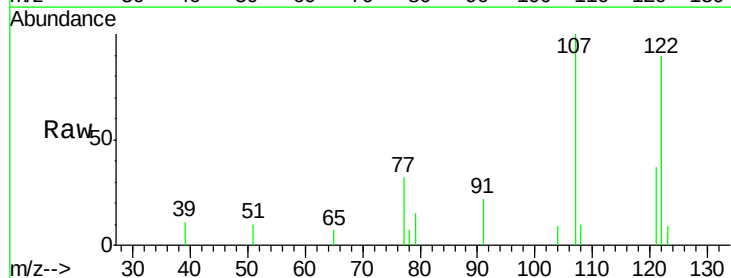


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

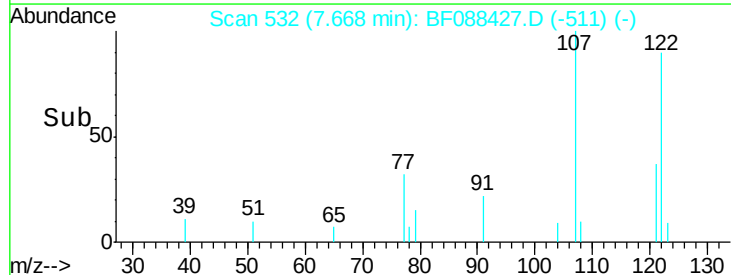
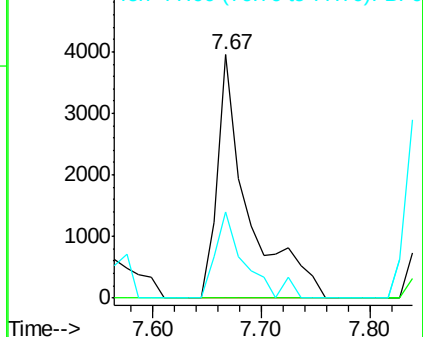


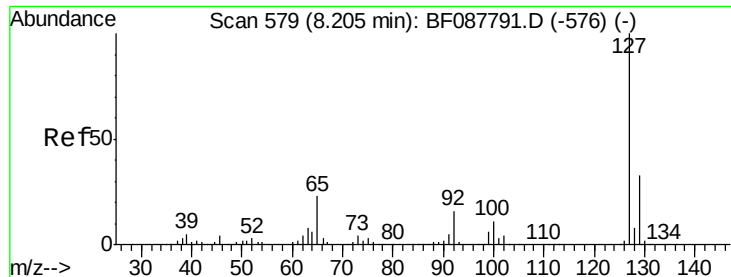
#32
Benzoic acid
Concen: 2.62 ng
RT: 7.67 min Scan# 532
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:122 Resp: 7807
Ion Ratio Lower Upper
122 100
105 0.0 101.6 141.6#
77 35.2 70.6 110.6#



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

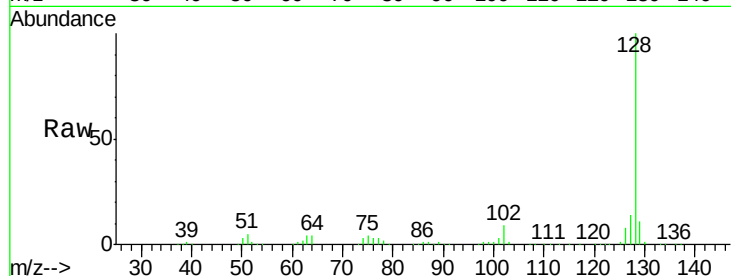




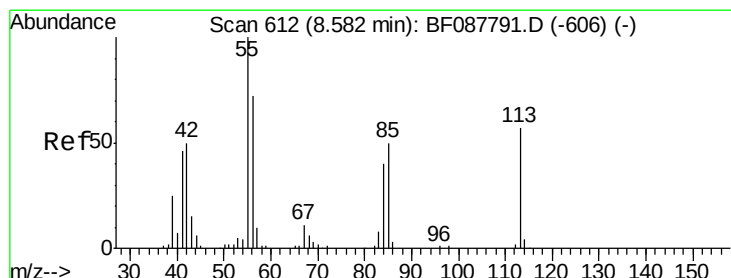
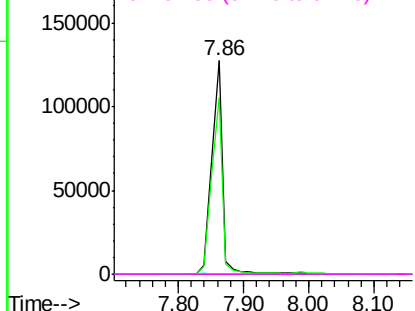
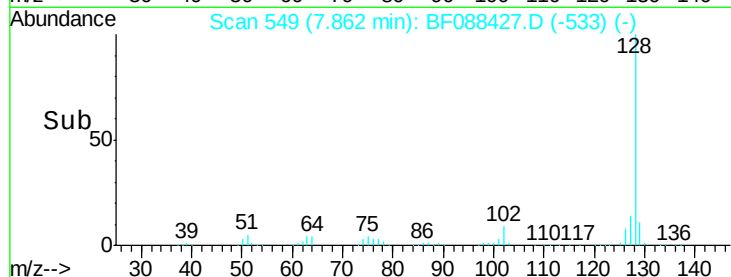
#33
4-Chloroaniline
Concen: 20.50 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.11 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	149683
Ion	Ratio	Lower	Upper
127	100		
129	82.5	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#

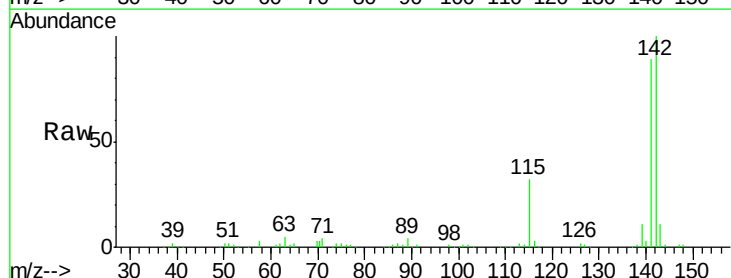


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

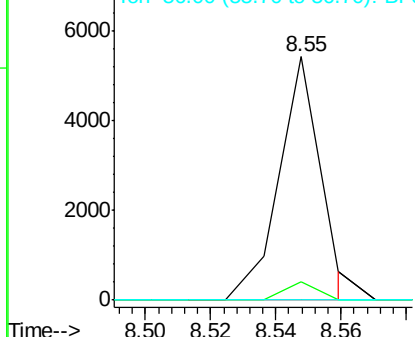
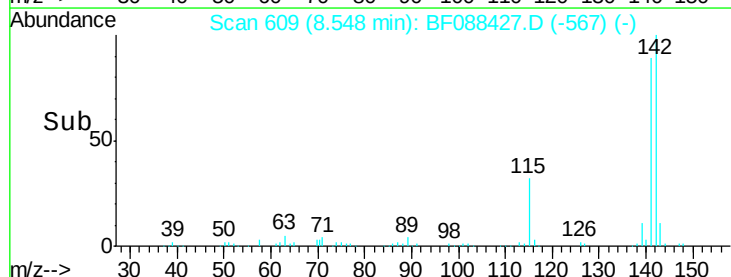


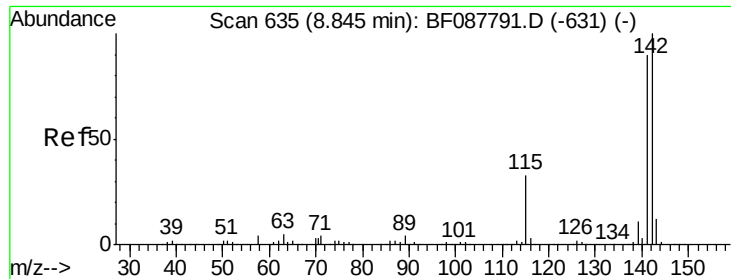
#35
Caprolactam
Concen: 3.22 ng
RT: 8.55 min Scan# 609
Delta R.T. 0.18 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:	113	Resp:	4811
Ion	Ratio	Lower	Upper
113	100		
55	7.7	158.6	198.6#
56	0.0	110.6	150.6#



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

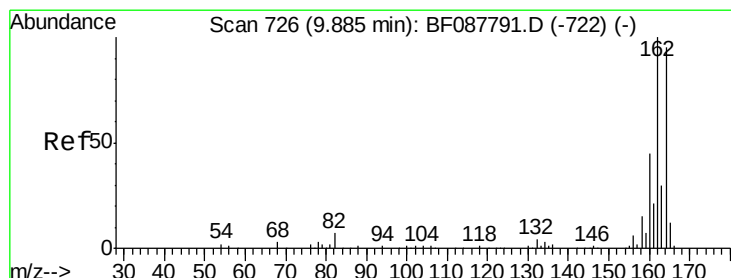
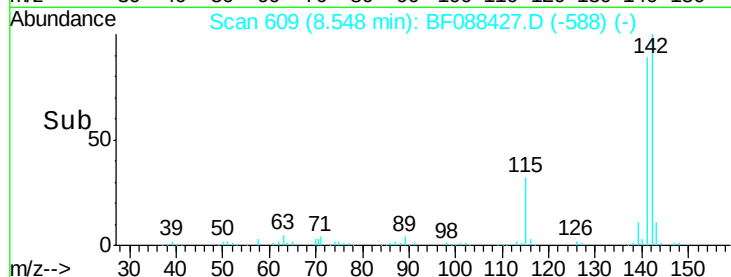
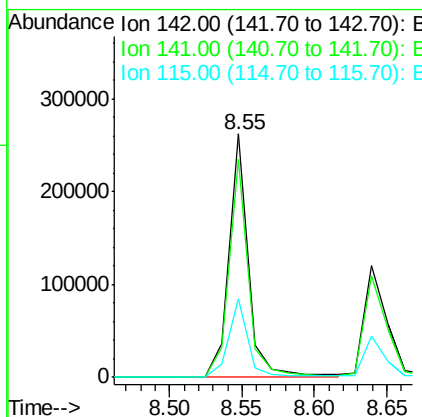
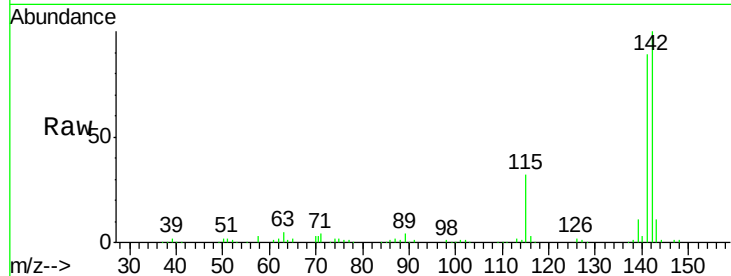




#37
2-Methylnaphthalene
Concen: 22.71 ng
RT: 8.55 min Scan# 609
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

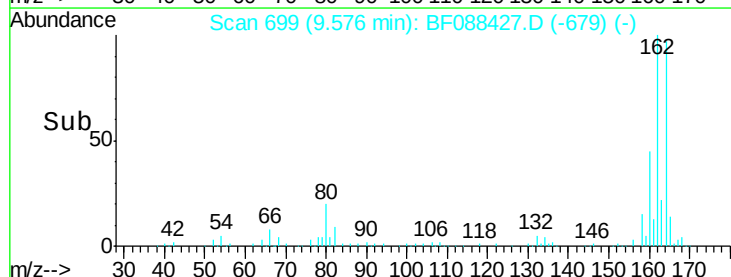
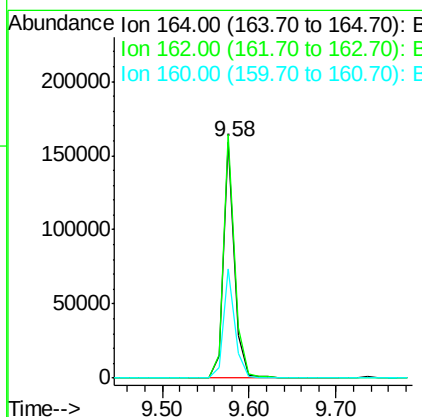
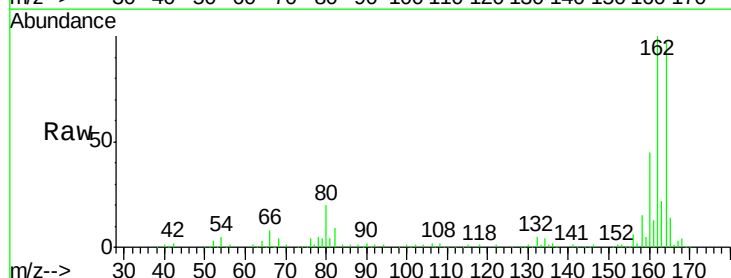
Instrument :
BNA_G
ClientSampleId :

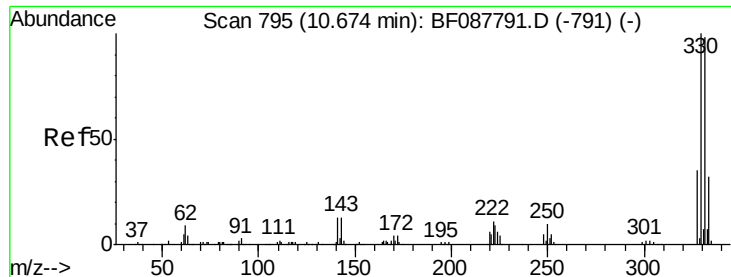
Tot Ion:142 Resp: 244727
Ion Ratio Lower Upper
142 100
141 89.4 71.0 106.6
115 32.5 22.6 33.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:164 Resp: 144390
Ion Ratio Lower Upper
164 100
162 103.2 85.4 128.2
160 46.3 39.5 59.3

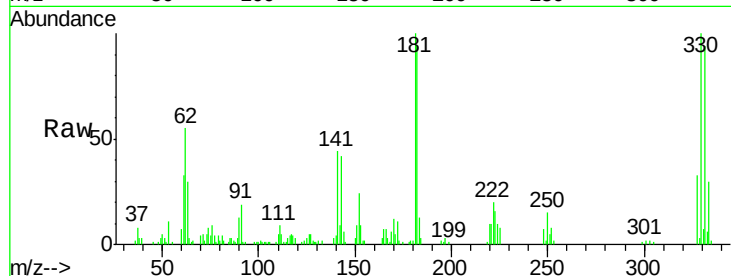




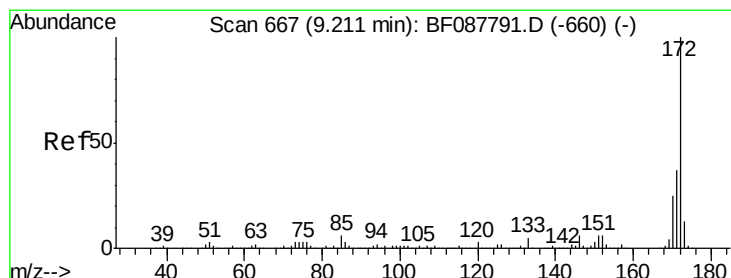
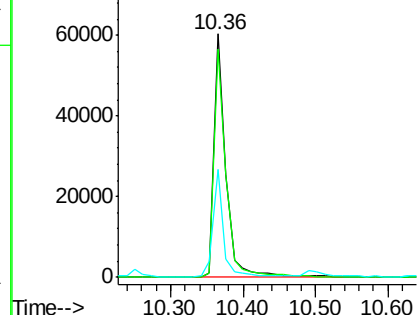
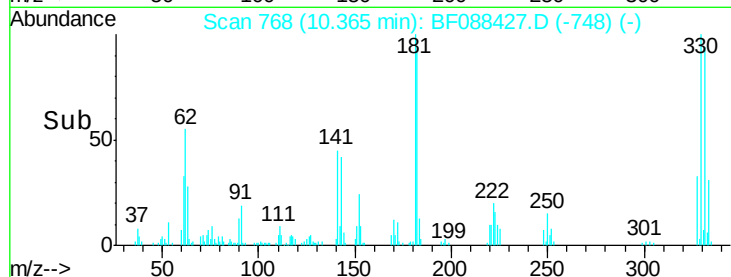
#41
 2,4,6-Tribromophenol
 Concen: 44.87 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.07 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 68414
 Ion Ratio Lower Upper
 330 100
 332 95.1 0.0 0.0#
 141 40.5 0.0 0.0#

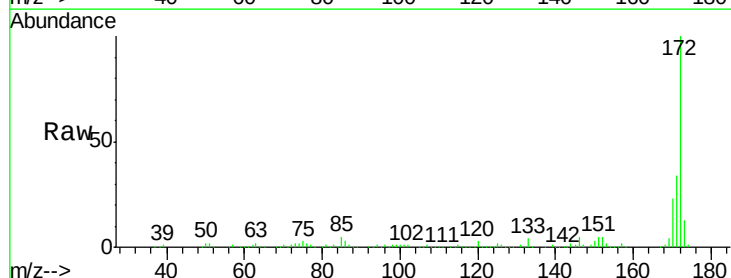


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

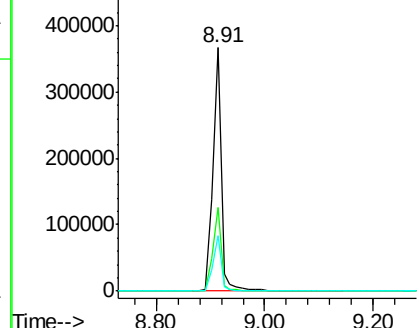
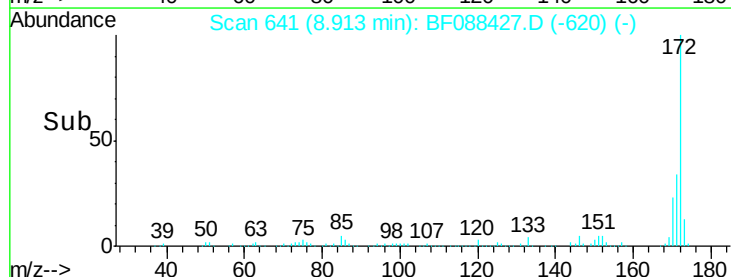


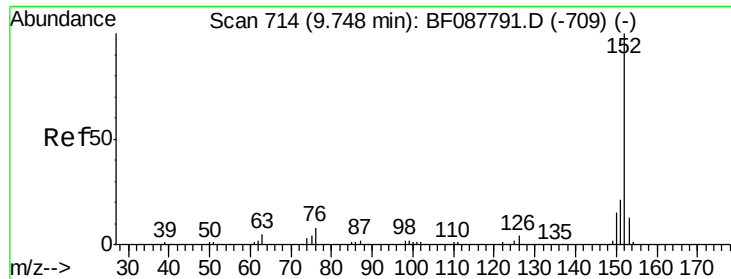
#44
 2-Fluorobiphenyl
 Concen: 39.76 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Tgt Ion:172 Resp: 392551
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.6 43.0
 170 22.8 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: 12.01 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.10 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampleId :

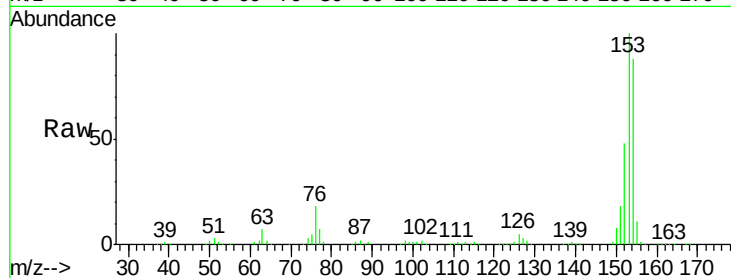
Tot Ion:152 Resp: 178421

Ion Ratio Lower Upper

152 100

151 37.0 16.2 24.4#

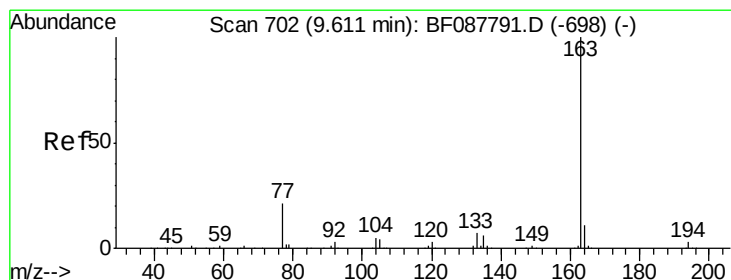
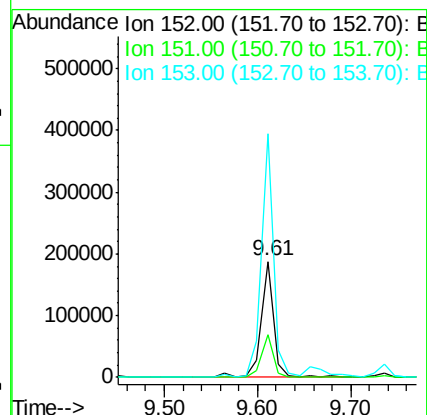
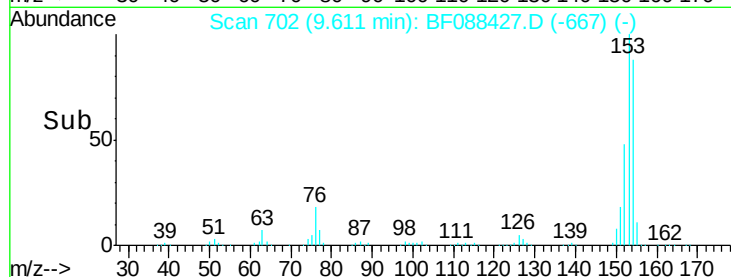
153 209.5 11.0 16.6#



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: 4.81 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

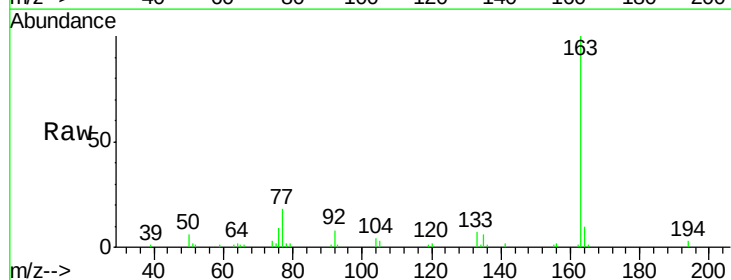
Tgt Ion:163 Resp: 50285

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

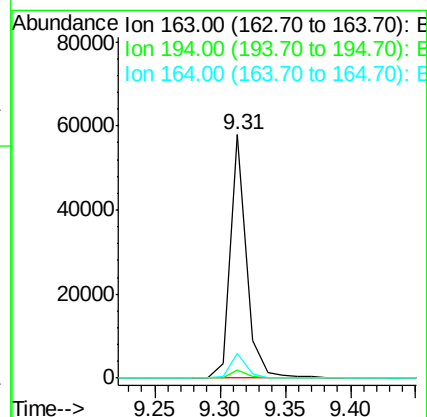
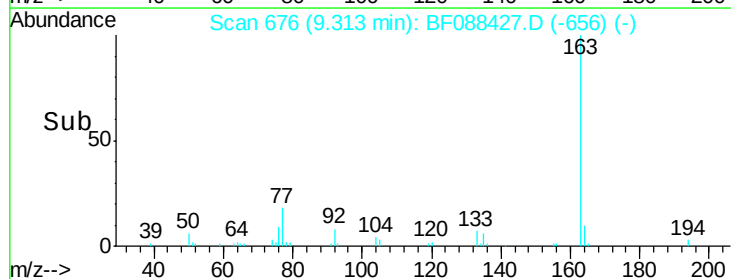
164 10.1 8.3 12.5

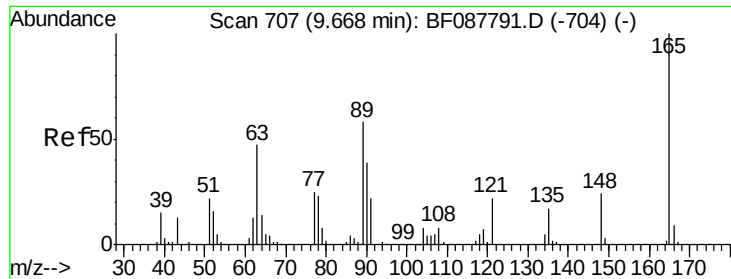


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

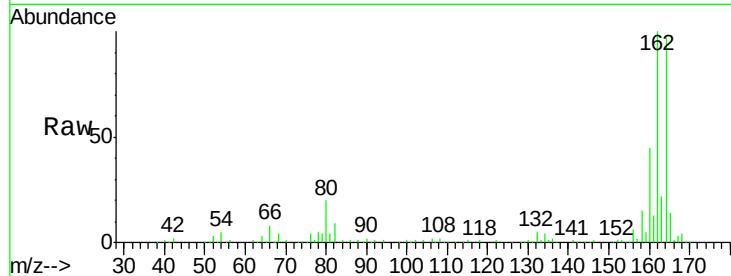




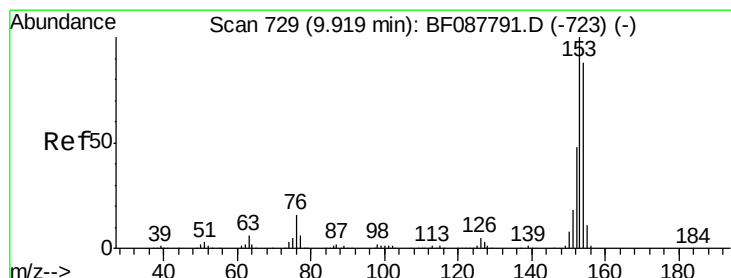
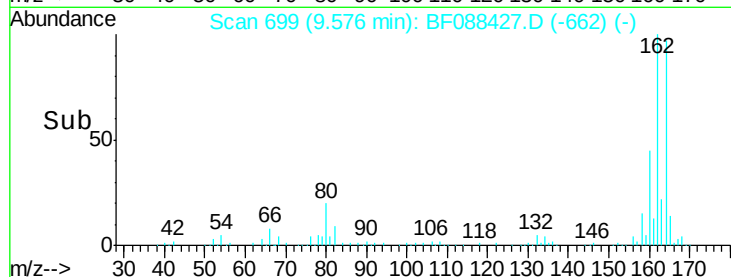
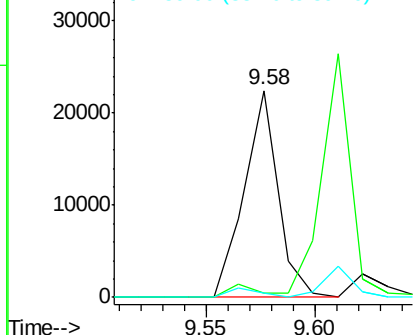
#50
2,6-Dinitrotoluene
Concen: 10.11 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.13 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 24228
Ion Ratio Lower Upper
165 100
63 2.3 28.1 42.1#
89 2.0 32.2 48.2#

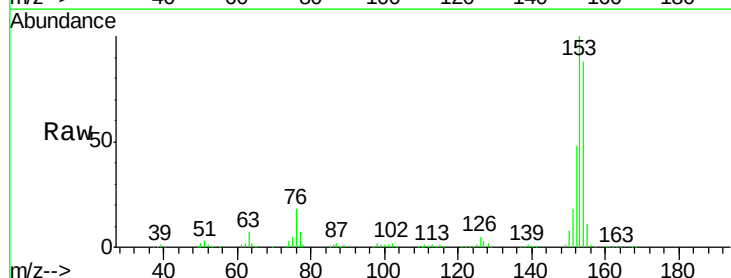


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

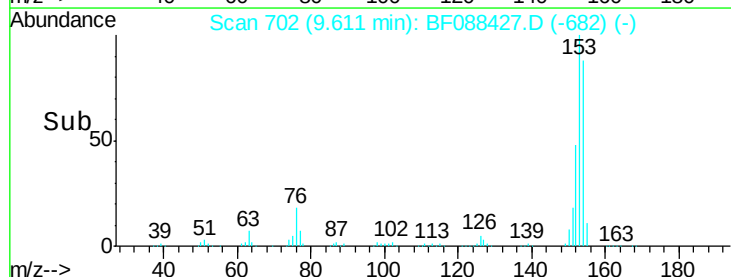
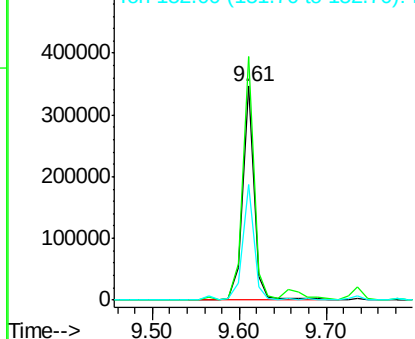


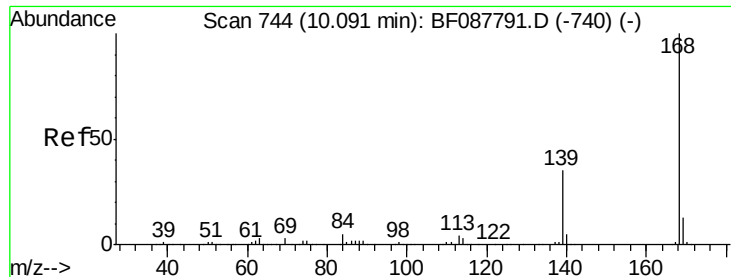
#51
Acenaphthene
Concen: 34.11 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:154 Resp: 316285
Ion Ratio Lower Upper
154 100
153 113.8 89.5 134.3
152 54.3 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

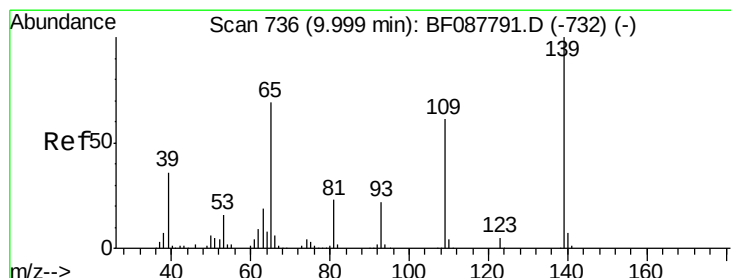
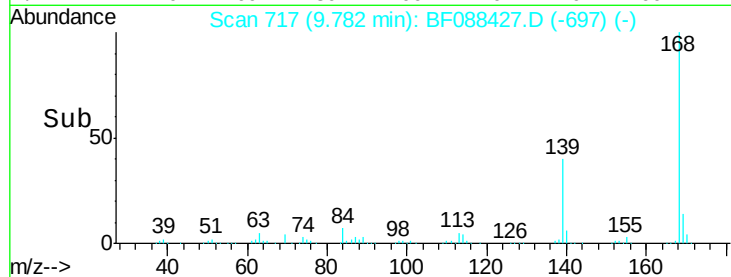
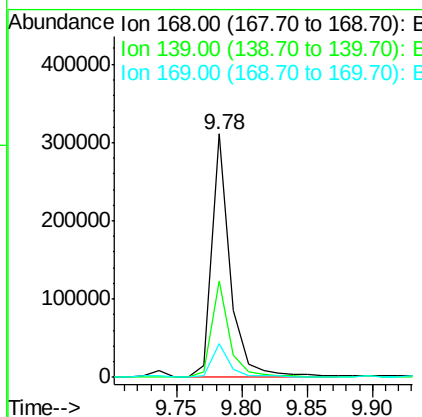
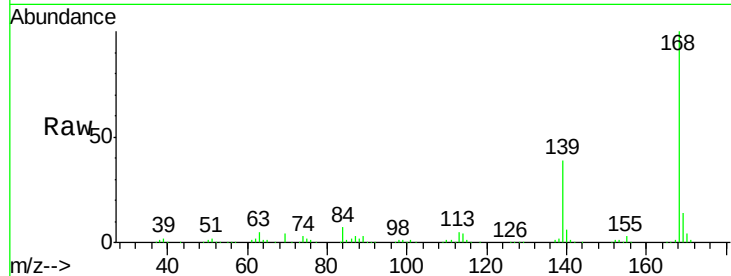




#54
Dibenzenofuran
Concen: 24.25 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

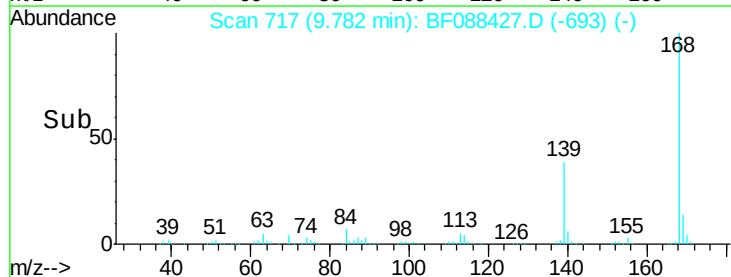
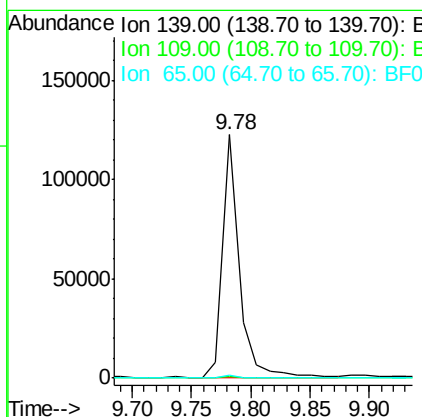
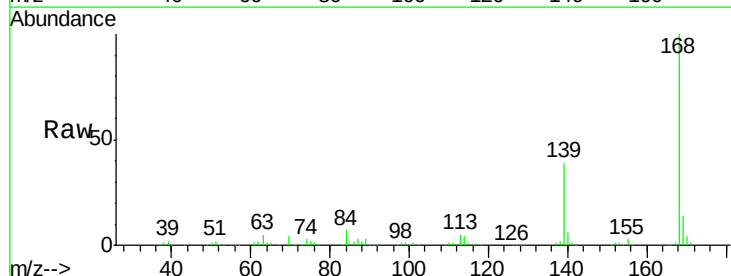
Instrument :
BNA_G
ClientSampleId :

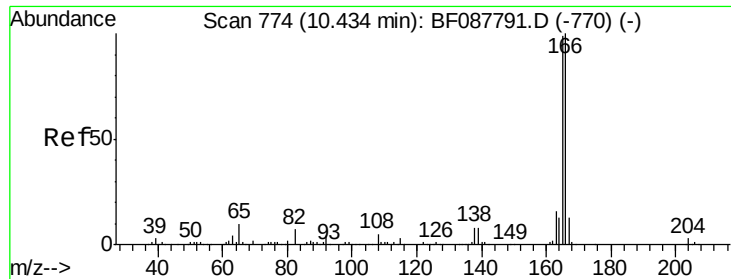
Tot Ion:168 Resp: 309682
Ion Ratio Lower Upper
168 100
139 39.5 26.4 39.6
169 14.1 10.4 15.6



#55
4-Nitrophenol
Concen: 56.06 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:139 Resp: 120257
Ion Ratio Lower Upper
139 100
109 0.8 48.9 88.9#
65 1.4 84.9 124.9#

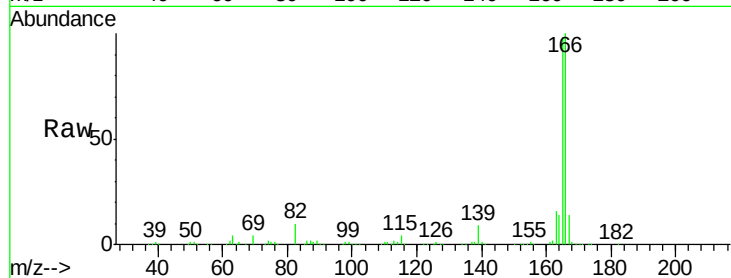




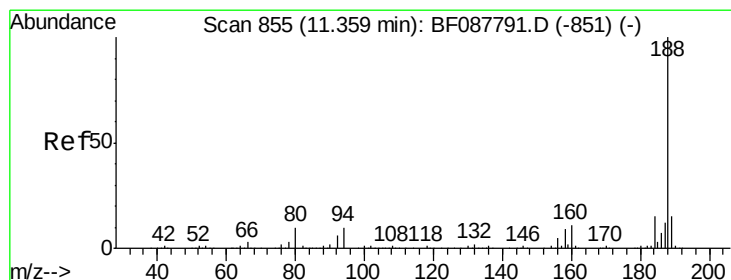
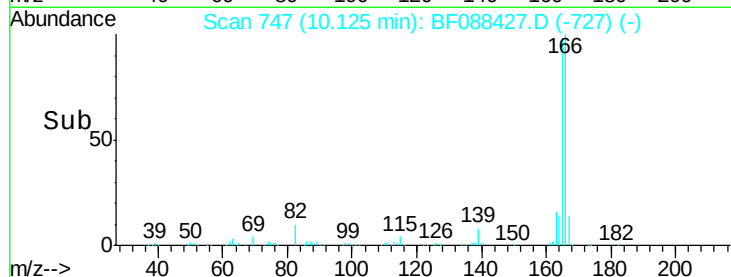
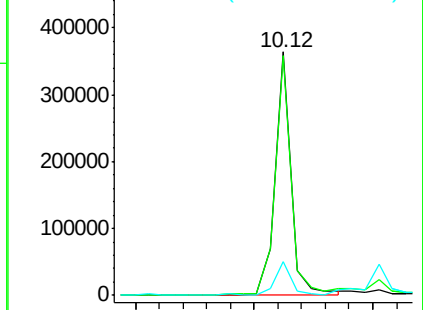
#57
Fluorene
 Concen: 39.00 ng
 RT: 10.12 min Scan# 747
 Delta R.T. -0.07 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 342085
 Ion Ratio Lower Upper
 166 100
 165 98.3 77.8 116.8
 167 13.7 11.2 16.8

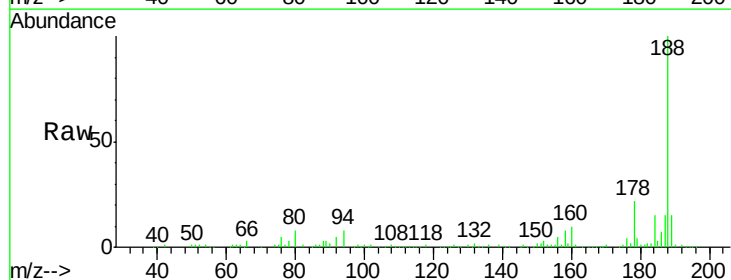


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

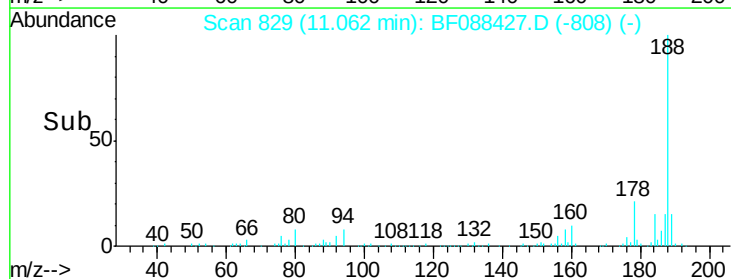
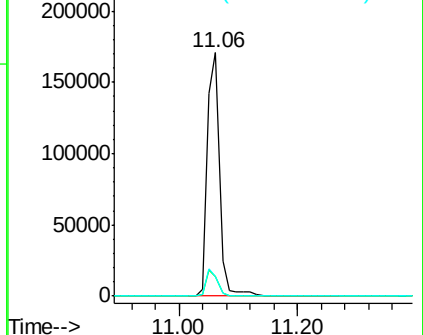


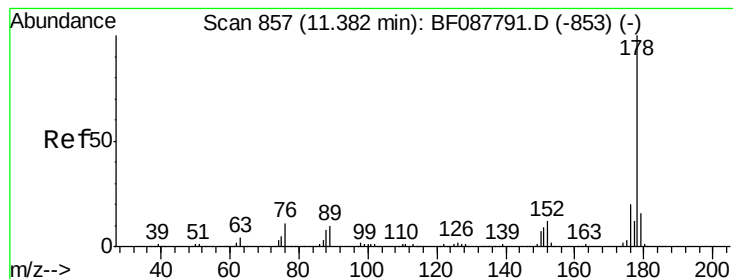
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.06 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Tgt Ion:188 Resp: 246912
 Ion Ratio Lower Upper
 188 100
 94 8.2 9.0 13.6#
 80 8.3 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





#70

Phenanthrene

Concen: 113.42 ng

RT: 11.09 min Scan# 831

Delta R.T. -0.06 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

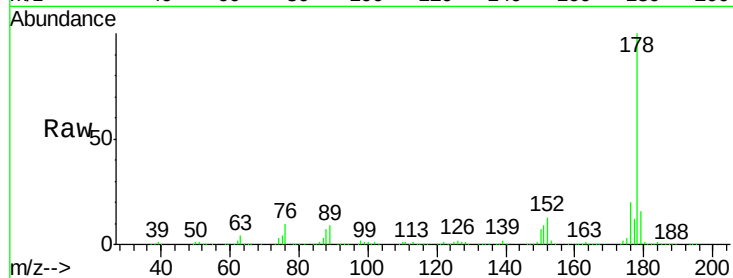
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 1469551

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.6
179	16.3	13.0	19.4

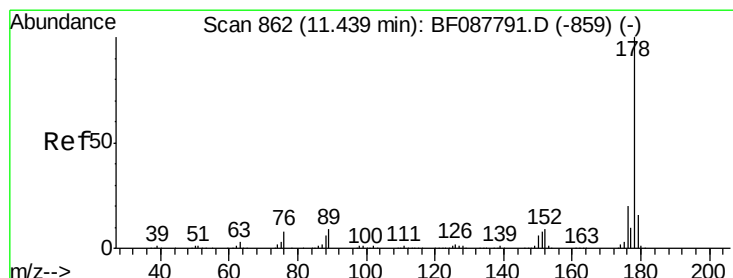
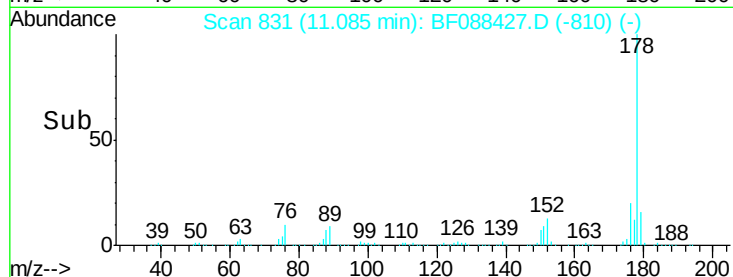


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



#71

Anthracene

Concen: 44.01 ng

RT: 11.13 min Scan# 835

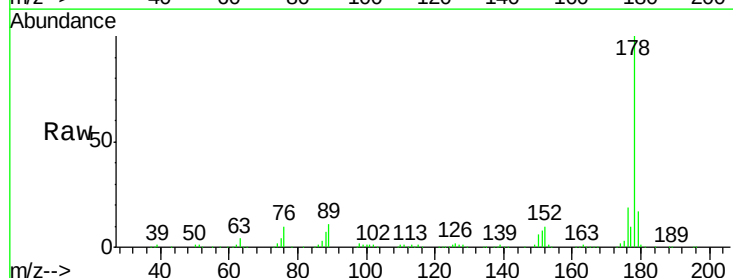
Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Tgt Ion:178 Resp: 575198

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	17.0	12.8	19.2

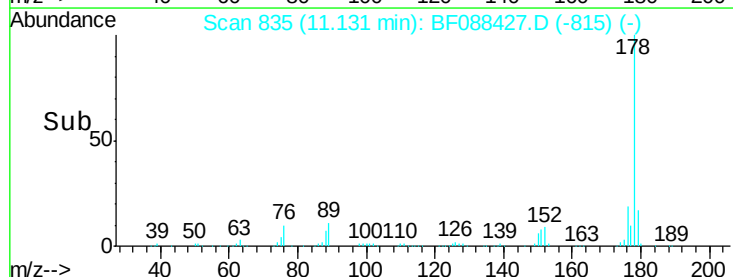


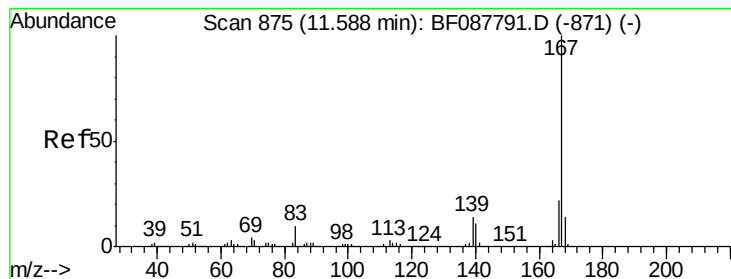
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->





#72

Carbazole

Concen: 22.00 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampleId :

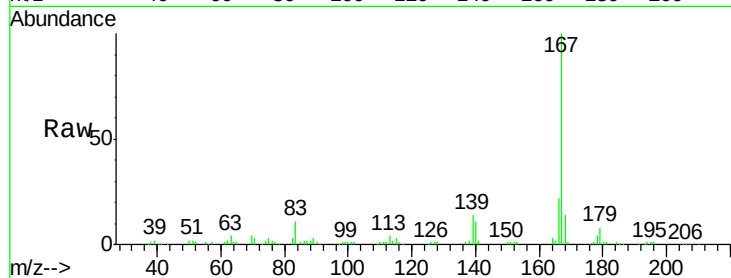
Tot Ion:167 Resp: 269064

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.6

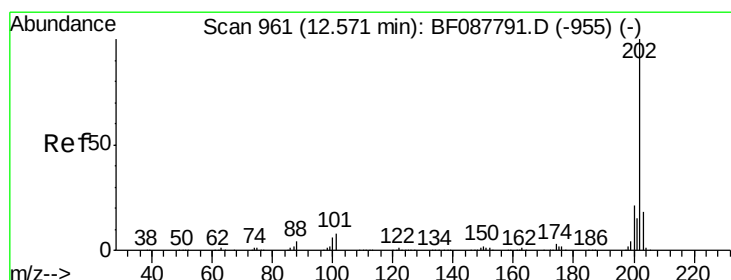
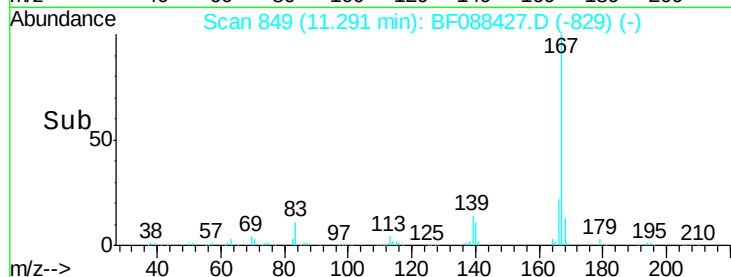
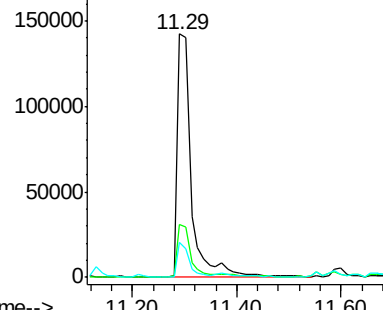
139 14.3 11.2 16.8



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: 94.93 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

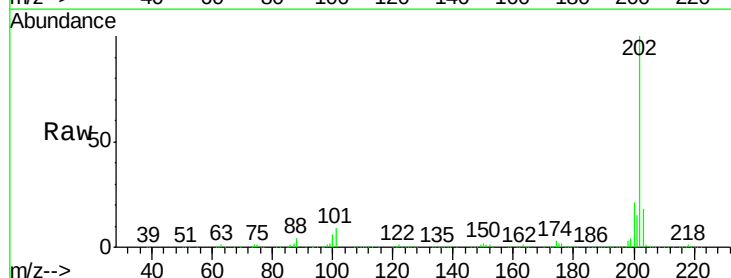
Tgt Ion:202 Resp: 1297971

Ion Ratio Lower Upper

202 100

101 8.6 0.0 33.1

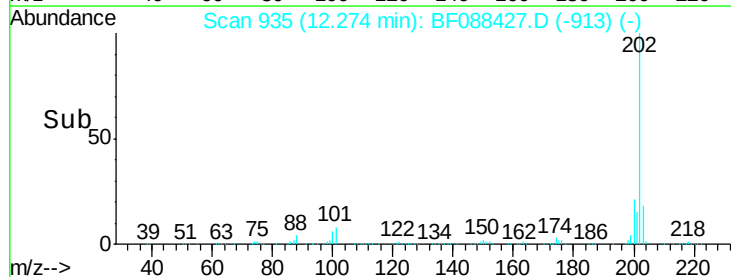
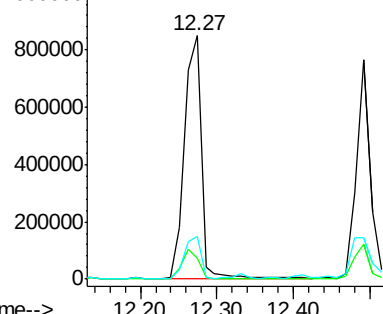
203 17.7 0.0 38.1

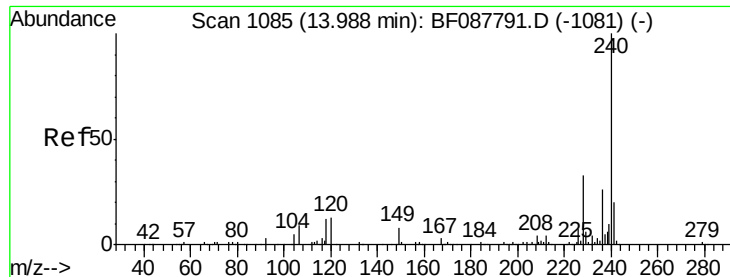


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampleId :

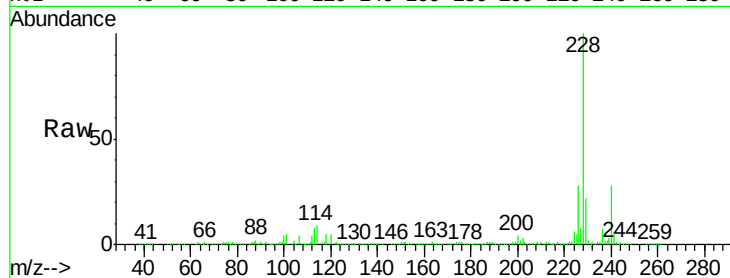
Tot Ion:240 Resp: 143656

Ion Ratio Lower Upper

240 100

120 19.1 6.8 10.2#

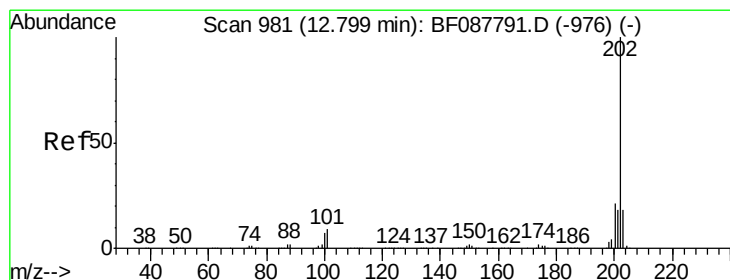
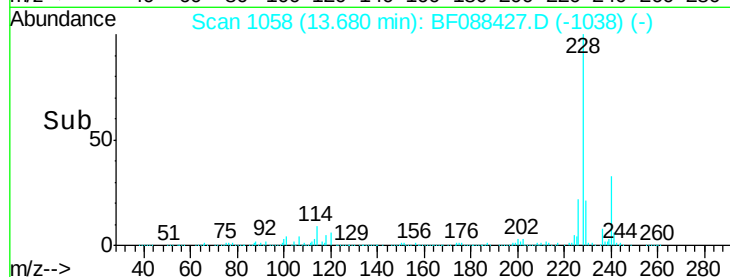
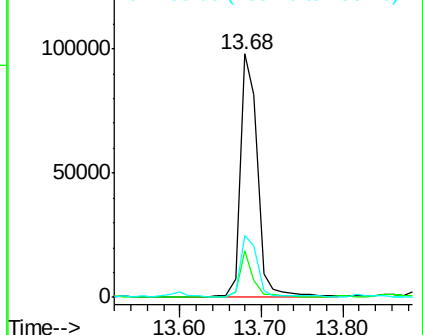
236 25.2 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 88.21 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

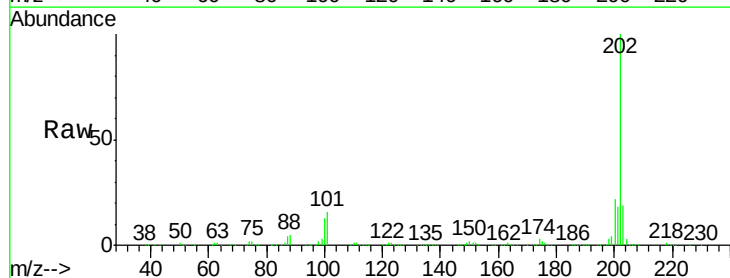
Tgt Ion:202 Resp: 940380

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

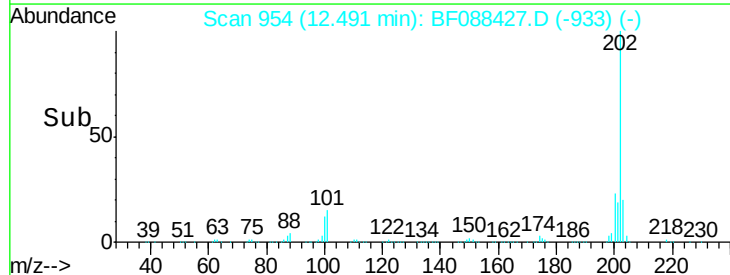
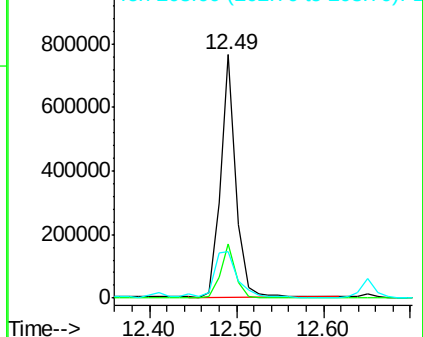
203 19.1 14.5 21.7

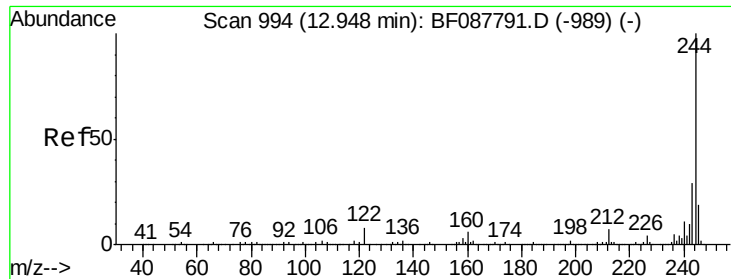


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

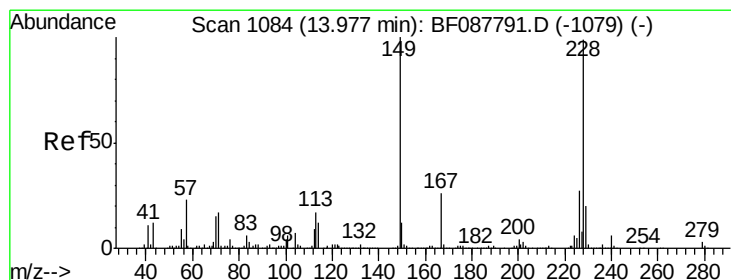
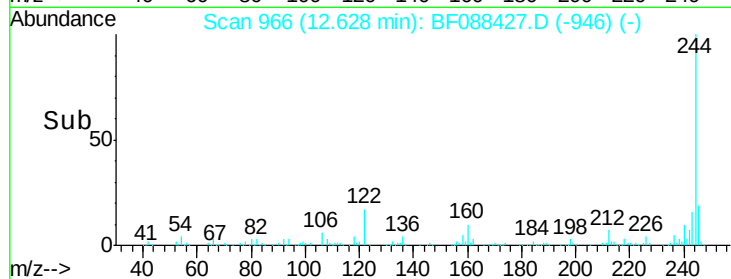
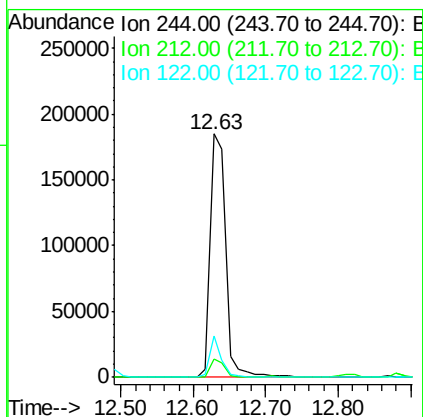
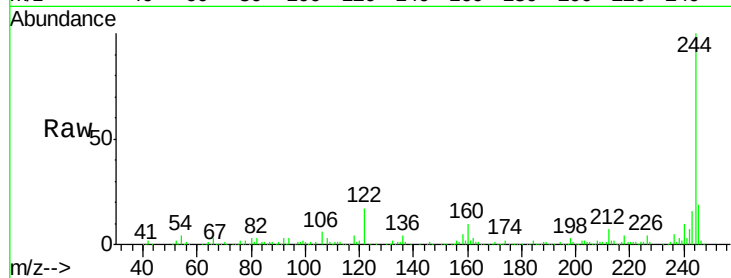




#78
 Terphenyl-d14
 Concen: 43.57 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.07 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

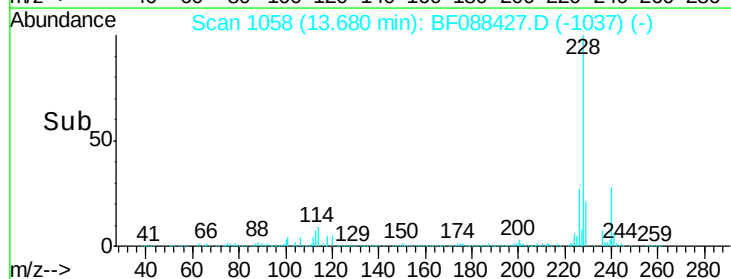
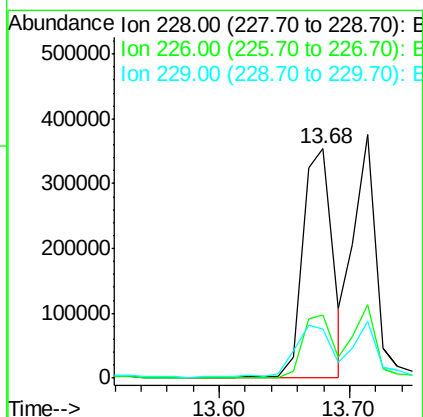
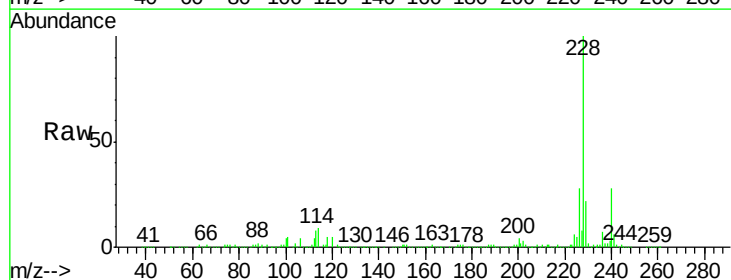
Instrument :
 BNA_G
 ClientSampleId :

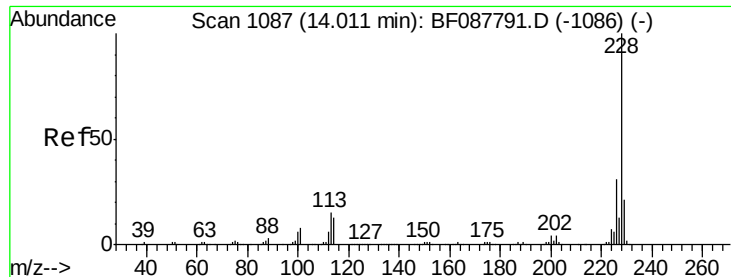
Tot Ion:244 Resp: 275068
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 17.1 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 68.73 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Tgt Ion:228 Resp: 562640
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.3 33.5
 229 21.5 16.0 24.0





#82

Chrysene

Concen: 73.05 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.09 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampled :

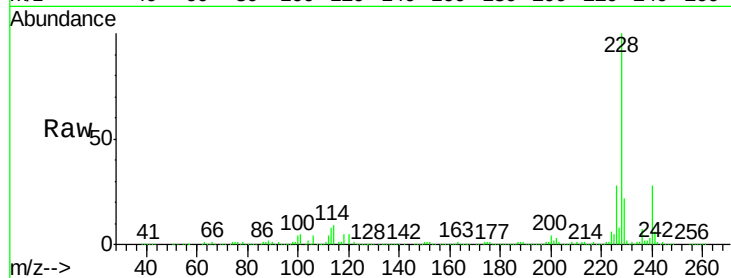
Tot Ion:228 Resp: 562640

Ion Ratio Lower Upper

228 100

226 27.7 25.4 38.2

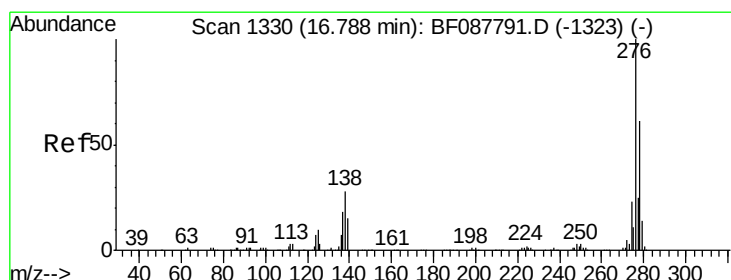
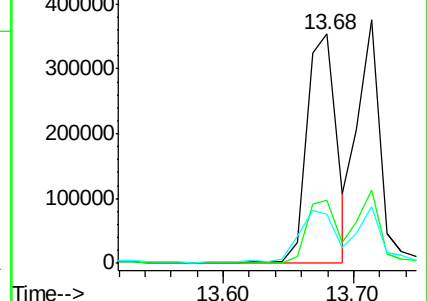
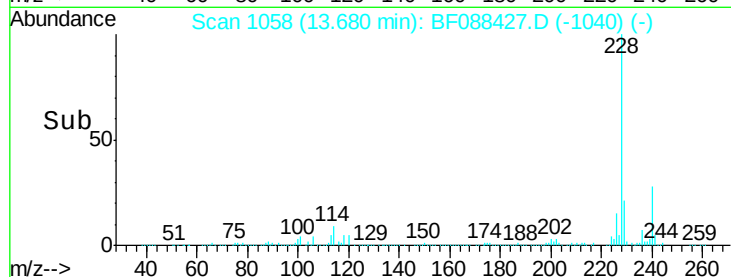
229 21.5 16.3 24.5



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: 36.32 ng

RT: 16.26 min Scan# 1284

Delta R.T. -0.10 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

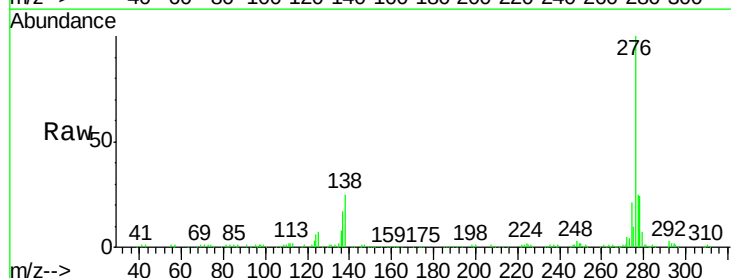
Tgt Ion:276 Resp: 259894

Ion Ratio Lower Upper

276 100

138 27.1 0.0 0.0#

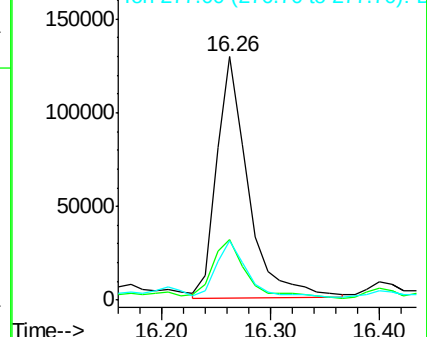
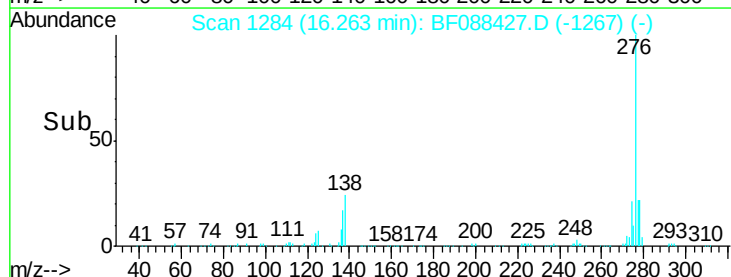
277 22.7 0.0 0.0#

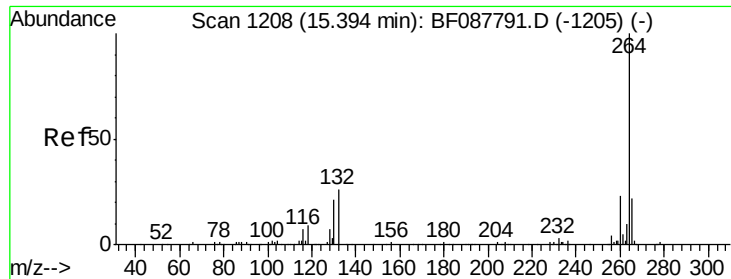


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

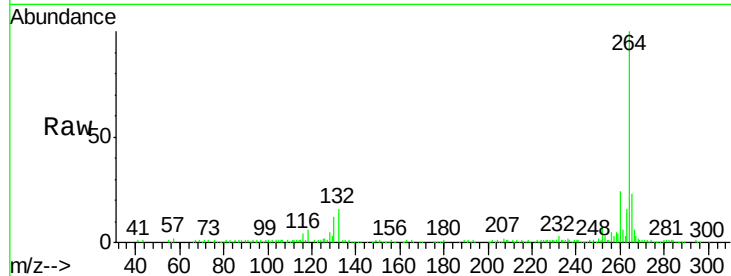




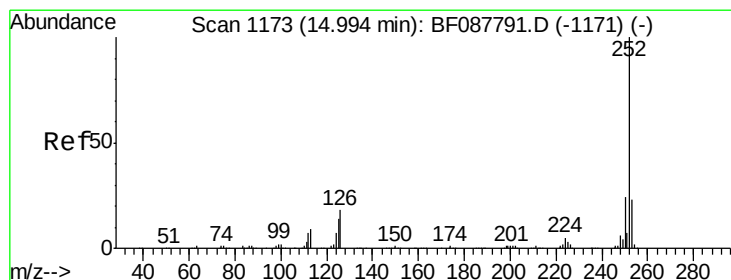
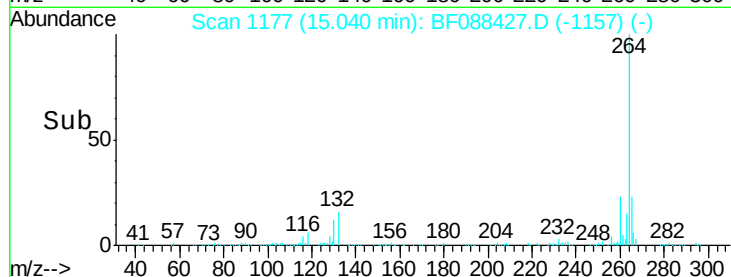
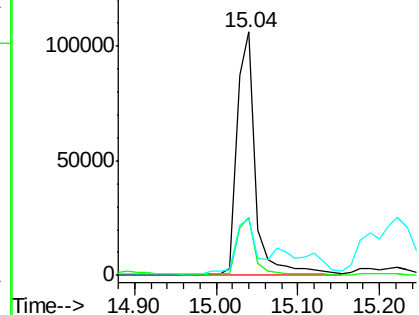
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 165258
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 23.5 16.9 25.3

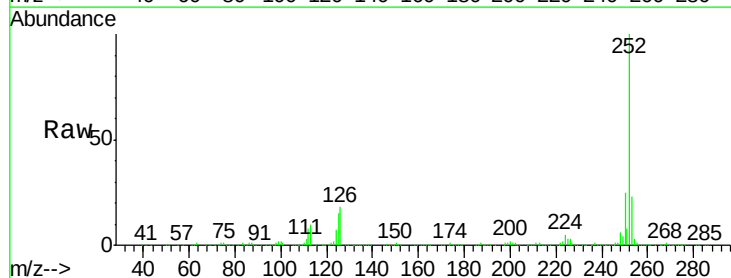


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

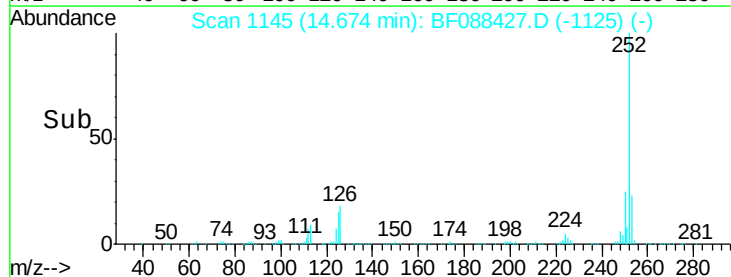
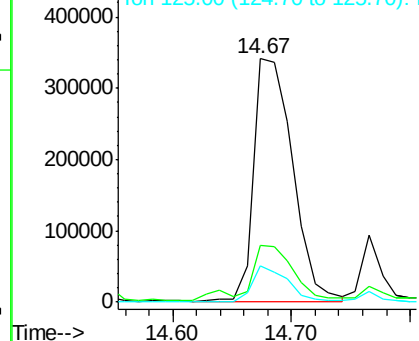


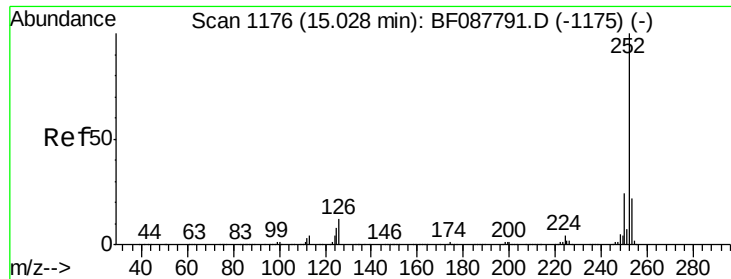
#87
Benzo(b)fluoranthene
Concen: 67.55 ng
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:252 Resp: 778115
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 14.9 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

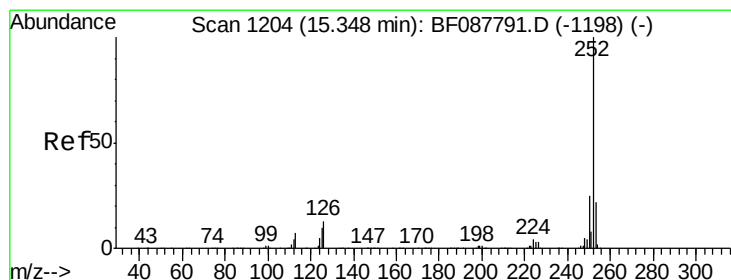
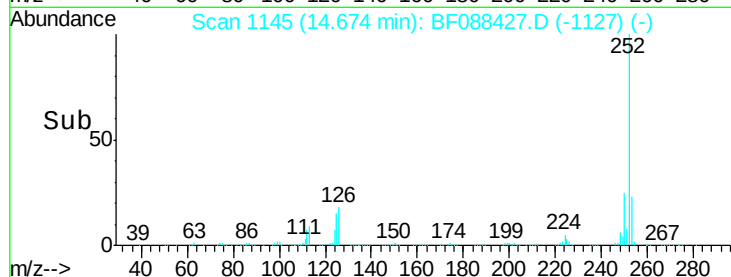
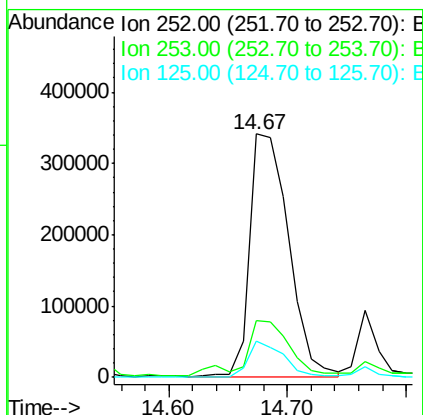
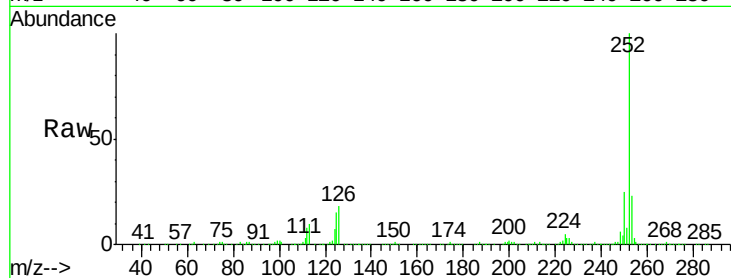




#88
Benzo(k)fluoranthene
Concen: 89.55 ng
RT: 14.67 min Scan# 1145
Delta R.T. -0.09 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

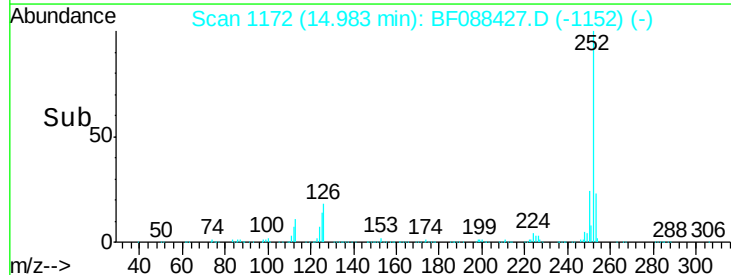
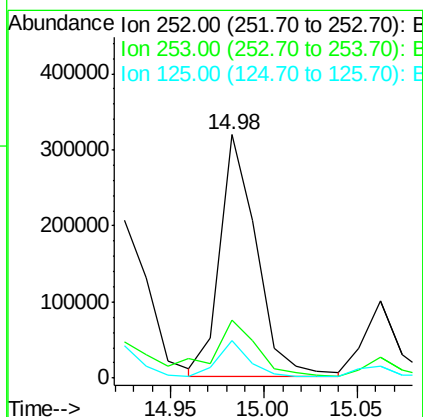
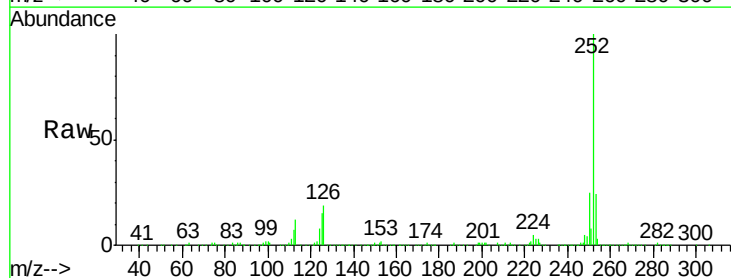
Instrument :
BNA_G
ClientSampleId :

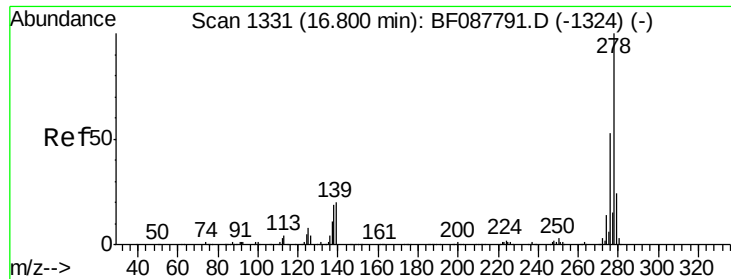
Tot Ion:252 Resp: 778115
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 14.9 11.2 16.8



#89
Benzo(a)pyrene
Concen: 46.80 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:252 Resp: 436103
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 15.2 12.5 18.7





#90

Dibenzo(a,h)anthracene

Concen: 3.27 ng

RT: 16.32 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_G

ClientSampleId :

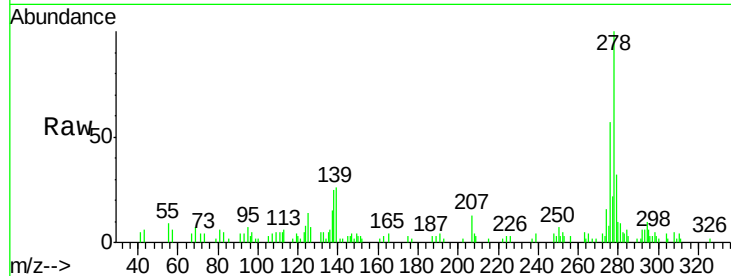
Tot Ion:278 Resp: 28284

Ion Ratio Lower Upper

278 100

139 25.7 15.7 23.5#

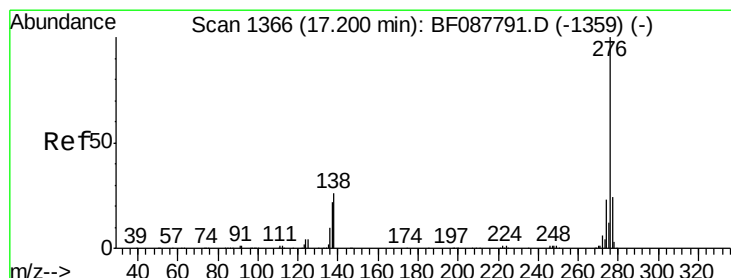
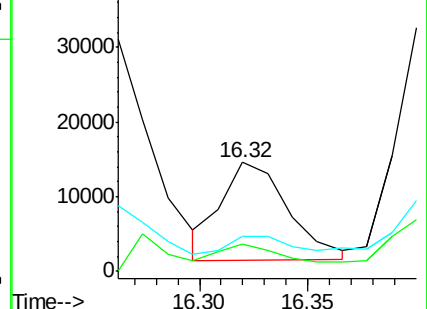
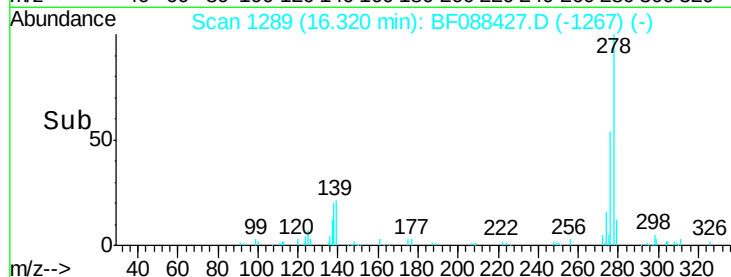
279 32.5 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 25.15 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.11 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

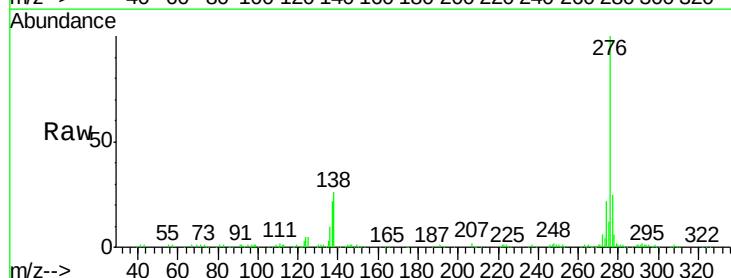
Tgt Ion:276 Resp: 223905

Ion Ratio Lower Upper

276 100

277 25.4 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

