

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
 Data File : BF086888.D
 Acq On : 11 May 2016 8:33
 Operator : UM/SJ
 Sample : H2961-01 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-3

Quant Time: May 11 11:07:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

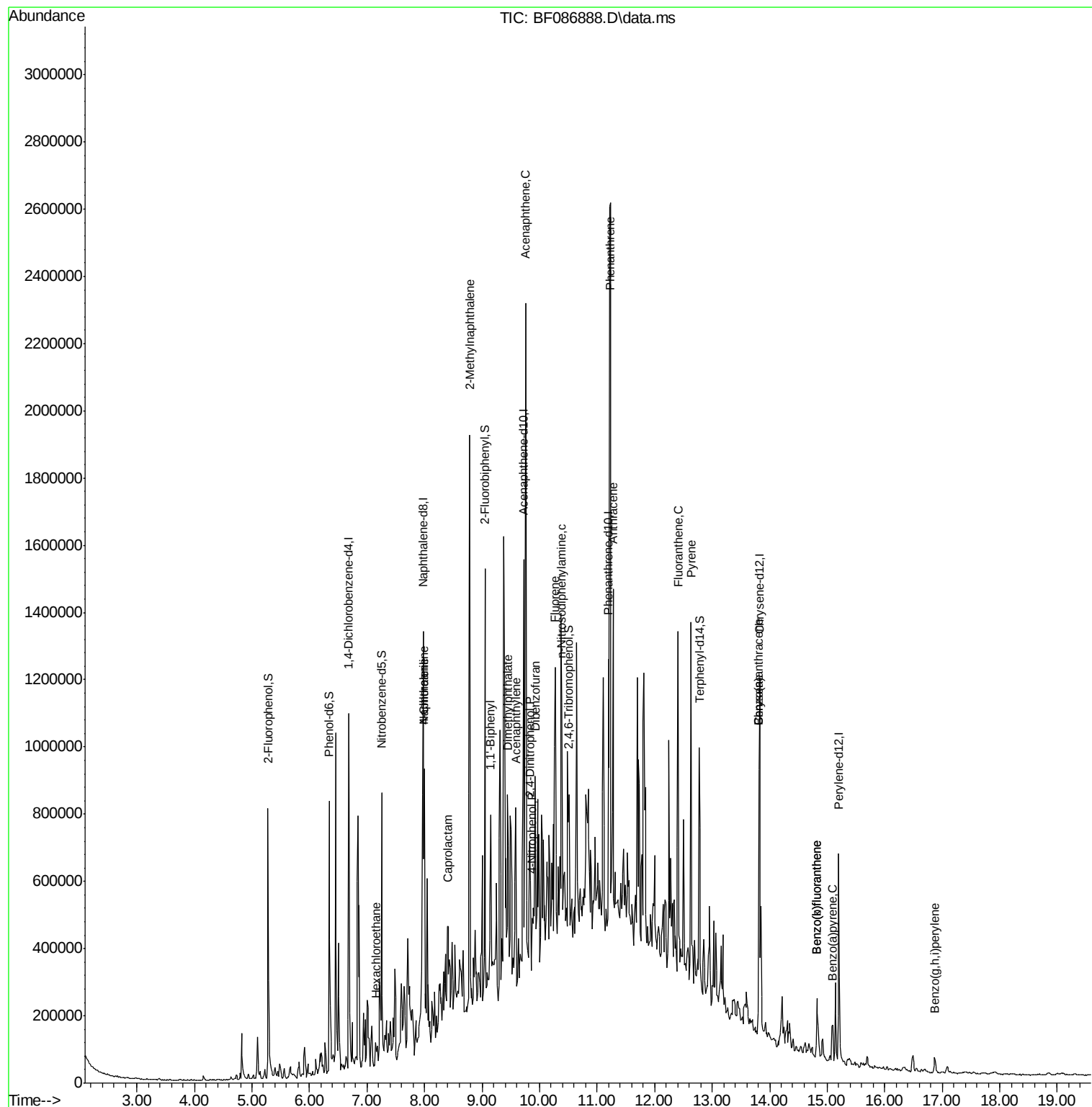
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.682	152	142271	20.00	ng	-0.01	
21) Naphthalene-d8	7.973	136	532031	20.00	ng	-0.01	
38) Acenaphthene-d10	9.722	164	221103	20.00	ng	-0.01	
63) Phenanthrene-d10	11.196	188	335516	20.00	ng	-0.01	
75) Chrysene-d12	13.825	240	295759	20.00	ng	-0.01	
86) Perylene-d12	15.197	264	258511	20.00	ng	-0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.276	112	253141	30.13	ng	-0.01	
7) Phenol-d6	6.339	99	341977	30.46	ng	-0.02	
23) Nitrobenzene-d5	7.253	82	212023	20.01	ng	-0.01	
41) 2,4,6-Tribromophenol	10.511	330	50935	21.76	ng	-0.01	
44) 2-Fluorobiphenyl	9.048	172	358572	27.26	ng	-0.01	
78) Terphenyl-d14	12.774	244	244743	17.56	ng	-0.02	
Target Compounds							Qvalue
18) Hexachloroethane	7.150	117	8822	2.10	ng	#	1
31) Naphthalene	7.996	128	391458	14.69	ng		99
33) 4-Chloroaniline	7.996	127	58335	5.63	ng	#	39
35) Caprolactam	8.408	113	10213	4.18	ng	#	1
37) 2-Methylnaphthalene	8.785	142	460539	29.56	ng		95
45) 1,1'-Biphenyl	9.150	154	153497	8.73	ng		98
48) Acenaphthylene	9.585	152	97553	4.81	ng	#	88
49) Dimethylphthalate	9.448	163	34713	2.06	ng		98
51) Acenaphthene	9.756	154	465037	36.89	ng		97
53) 2,4-Dinitrophenol	9.825	184	1131	8.25	ng	#	1
54) Dibenzofuran	9.928	168	40637	2.51	ng	#	67
55) 4-Nitrophenol	9.870	139	2053	5.34	ng	#	42
57) Fluorene	10.271	166	361327	26.18	ng		98
60) 4-Chlorophenyl-phenyle...	10.213	204	1103	Below Cal		#	1
65) n-Nitrosodiphenylamine	10.385	169	61959	6.01	ng	#	78
70) Phenanthrene	11.231	178	1247692	69.68	ng		100
71) Anthracene	11.276	178	449821	24.56	ng		100
74) Fluoranthene	12.408	202	383292	20.81	ng		94
77) Pvrene	12.636	202	591697	26.13	ng		99
80) Benzo(a)anthracene	13.814	228	208247	12.54	ng	#	78
82) Chrysene	13.814	228	208247	12.33	ng	#	80
87) Benzo(b)fluoranthene	14.820	252	123709	7.36	ng		98
88) Benzo(k)fluoranthene	14.820	252	123709	8.99	ng		97
89) Benzo(a)pyrene	15.094	252	62761	4.33	ng		96
91) Benzo(g,h,i)perylene	16.865	276	37305	3.01	ng		97

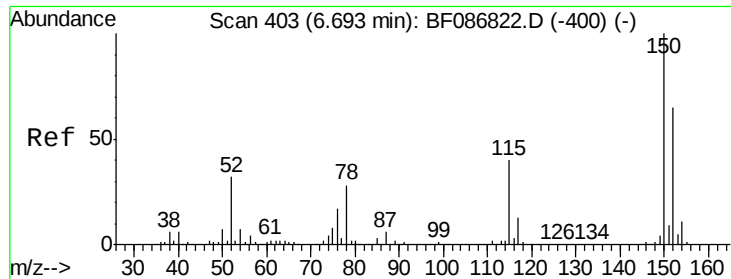
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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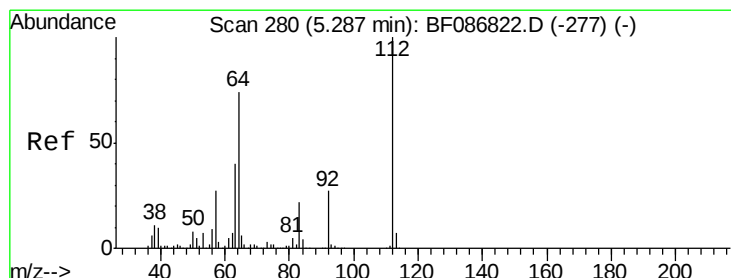
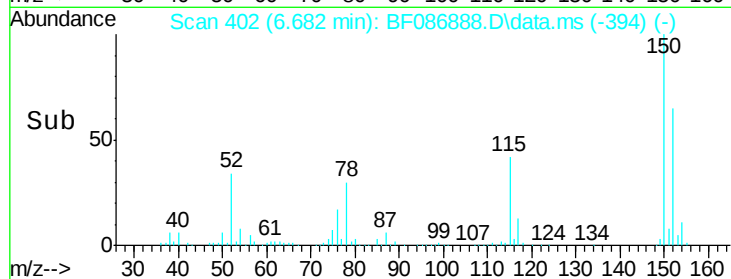
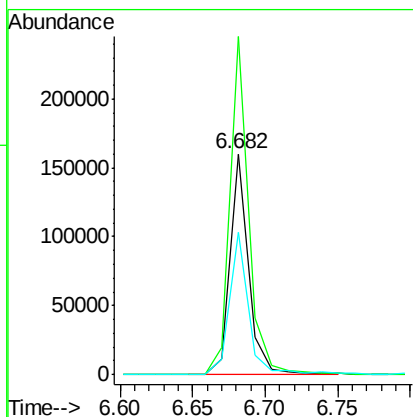
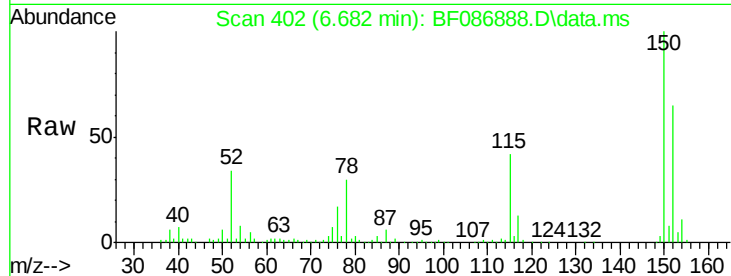




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.682 min Scan# 40
 Delta R.T. -0.011 min
 Lab File: BF086888.D
 Acq: 11 May 2016 8:33

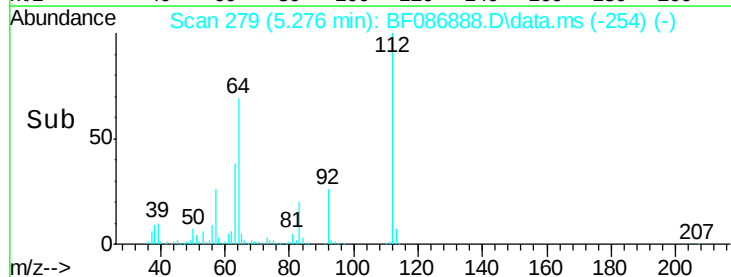
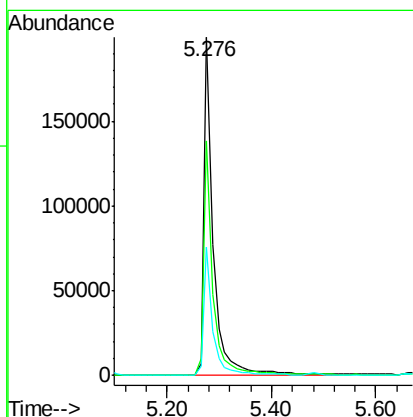
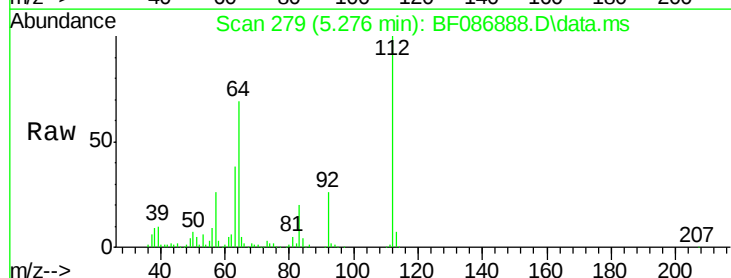
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-3

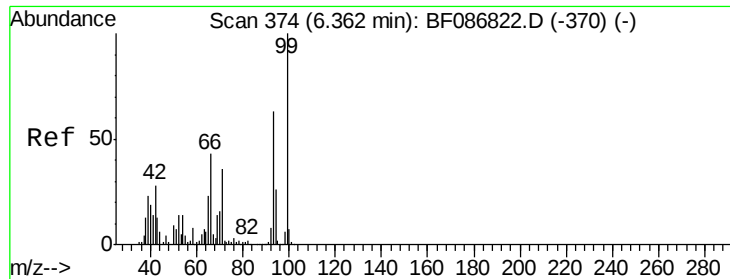
Tot Ion:152 Resp: 142271
 Ion Ratio Lower Upper
 152 100
 150 153.2 125.8 188.6
 115 64.6 51.5 77.3



#5
 2-Fluorophenol
 Concen: 30.13 ng
 RT: 5.276 min Scan# 279
 Delta R.T. -0.011 min
 Lab File: BF086888.D
 Acq: 11 May 2016 8:33

Tgt Ion:112 Resp: 253141
 Ion Ratio Lower Upper
 112 100
 64 69.2 52.1 78.1
 63 37.7 25.7 38.5





#7

Phenol-d6

Concen: 30.46 ng

RT: 6.339 min Scan# 37

Delta R.T. -0.023 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

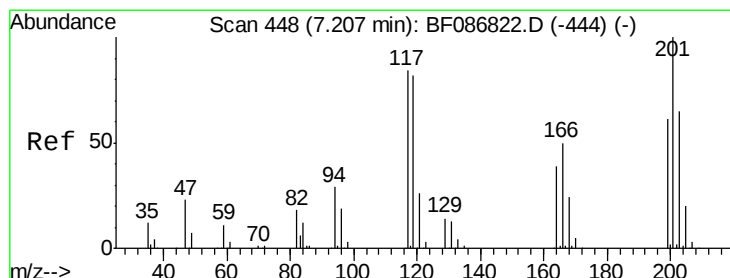
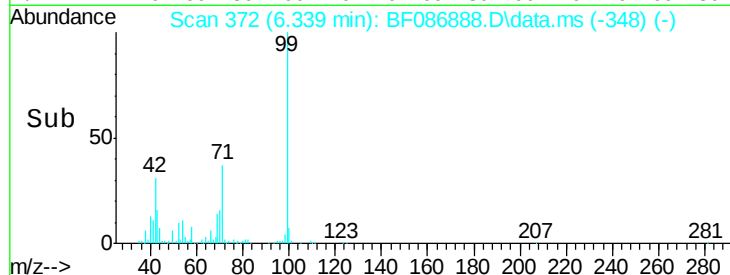
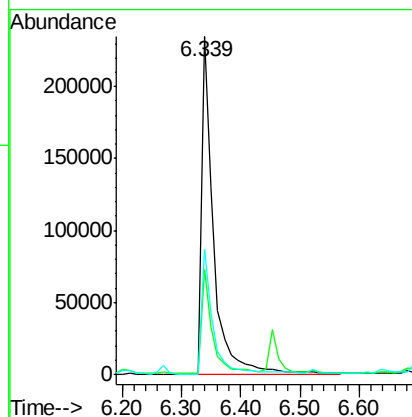
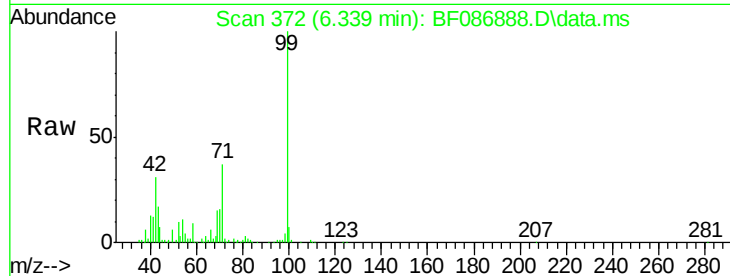
Tot Ion: 99 Resp: 341977

Ion Ratio Lower Upper

99 100

42 31.2 13.6 20.4#

71 37.3 24.6 36.8#



#18

Hexachloroethane

Concen: 2.10 ng

RT: 7.150 min Scan# 443

Delta R.T. -0.057 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

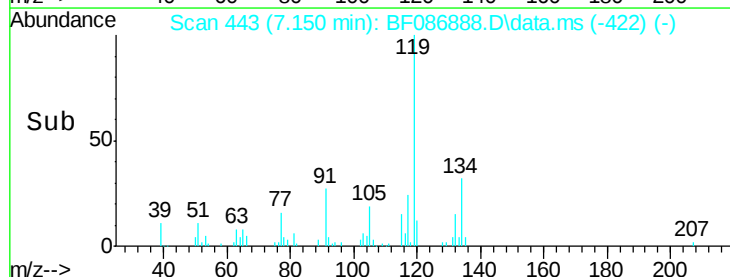
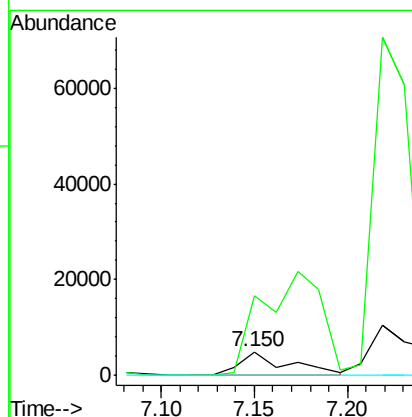
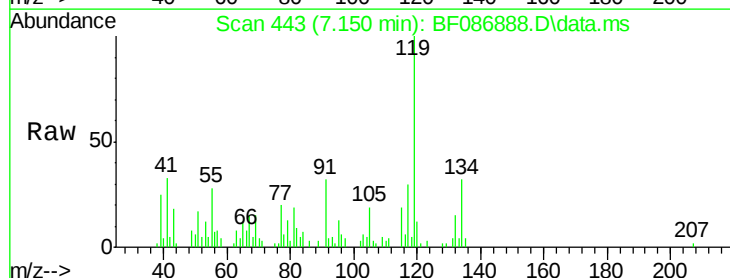
Tgt Ion: 117 Resp: 8822

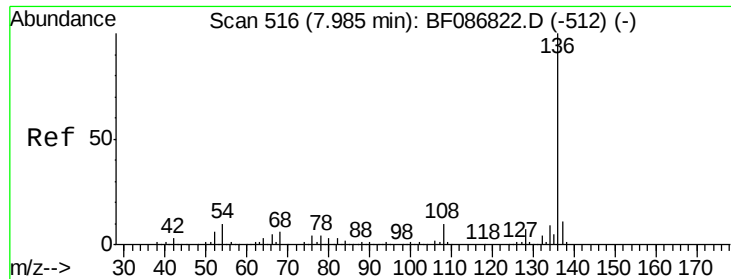
Ion Ratio Lower Upper

117 100

119 336.9 76.5 114.7#

201 0.0 63.0 94.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.973 min Scan# 51

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

Tot Ion:136 Resp: 532031

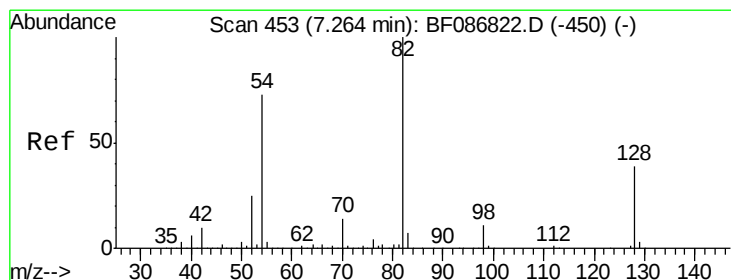
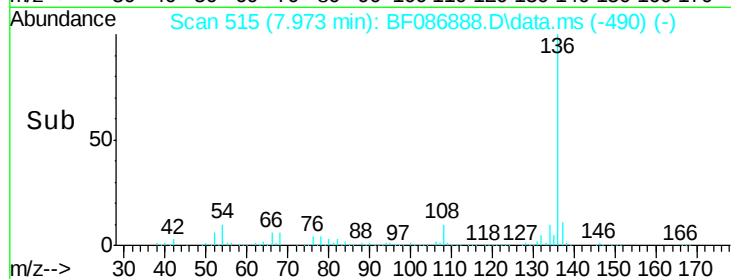
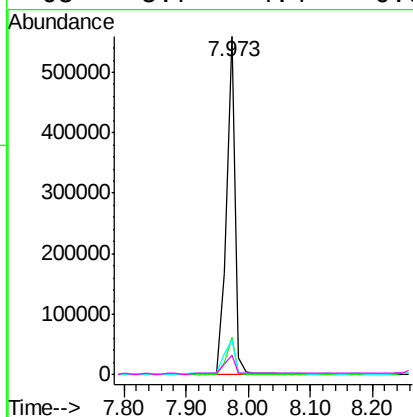
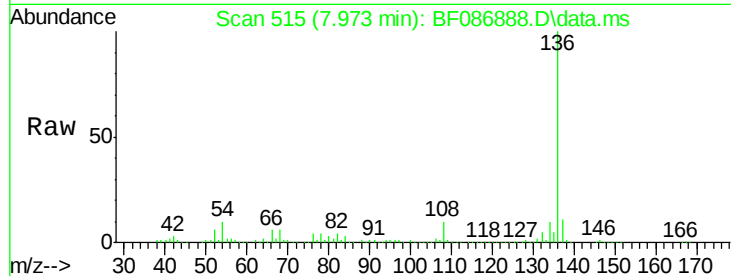
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.4 5.0 7.4#

68 5.7 4.4 6.6



#23

Nitrobenzene-d5

Concen: 20.01 ng

RT: 7.253 min Scan# 452

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

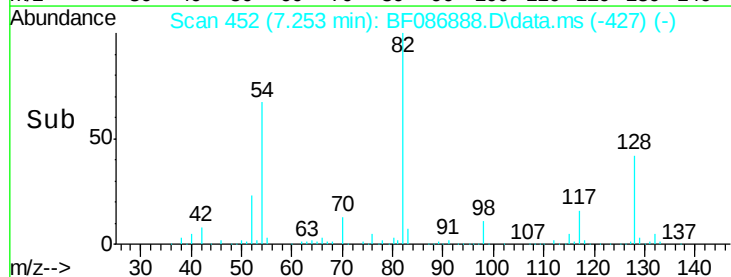
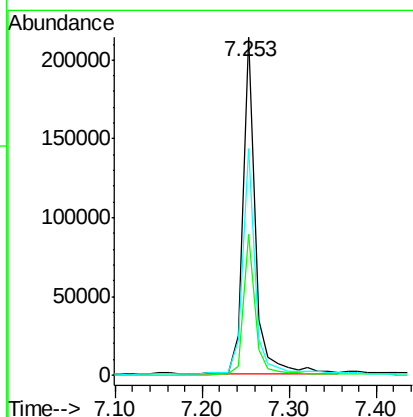
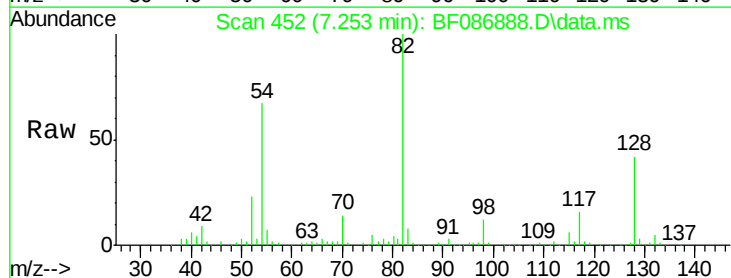
Tgt Ion: 82 Resp: 212023

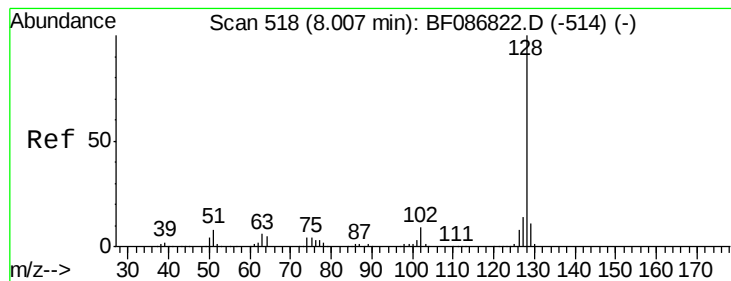
Ion Ratio Lower Upper

82 100

128 41.9 40.6 61.0

54 67.2 38.1 57.1#





#31

Naphthalene

Concen: 14.69 ng

RT: 7.996 min Scan# 517

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

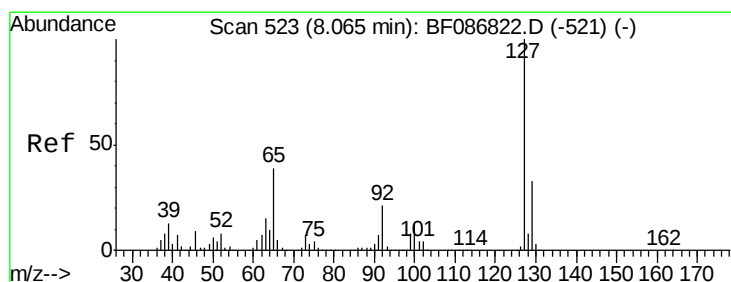
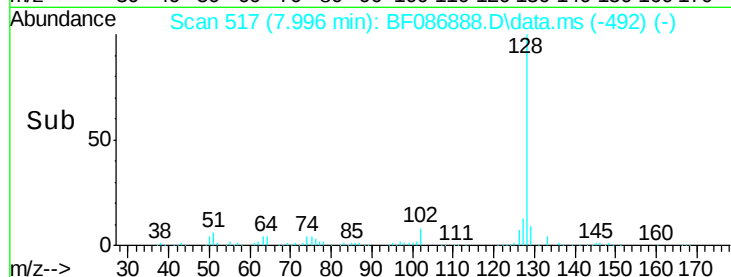
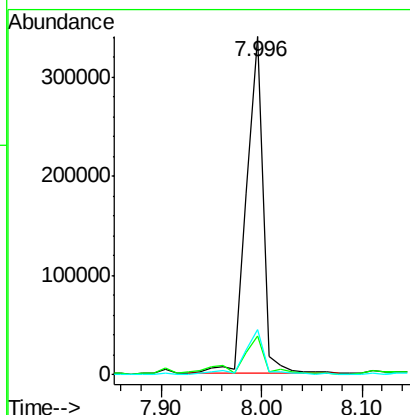
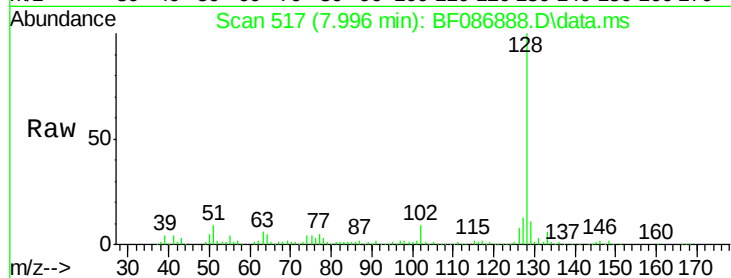
Tot Ion:128 Resp: 391458

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 13.4 10.8 16.2



#33

4-Chloroaniline

Concen: 5.63 ng

RT: 7.996 min Scan# 517

Delta R.T. -0.069 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Tgt Ion:127 Resp: 58335

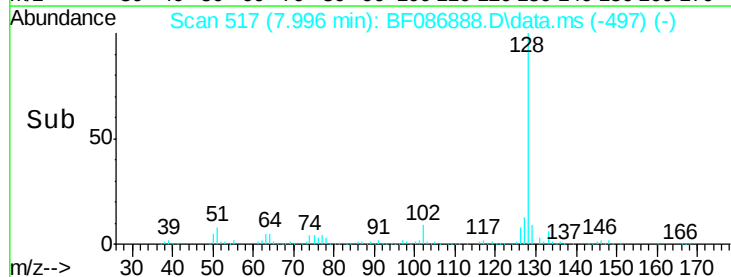
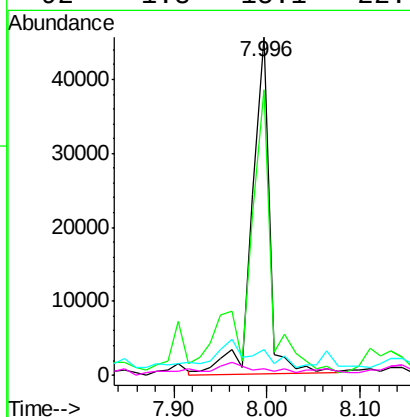
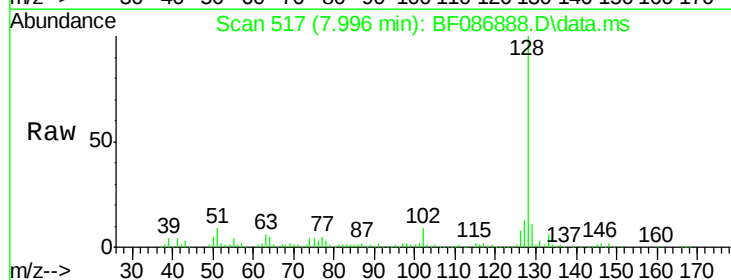
Ion Ratio Lower Upper

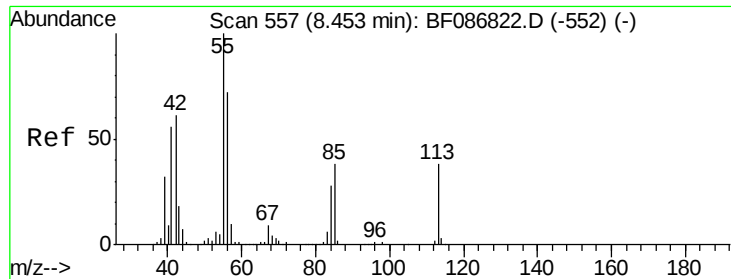
127 100

129 84.6 26.2 39.4#

65 7.6 23.0 34.4#

92 1.8 15.1 22.7#





#35

Caprolactam

Concen: 4.18 ng

RT: 8.408 min Scan# 55

Delta R.T. -0.046 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

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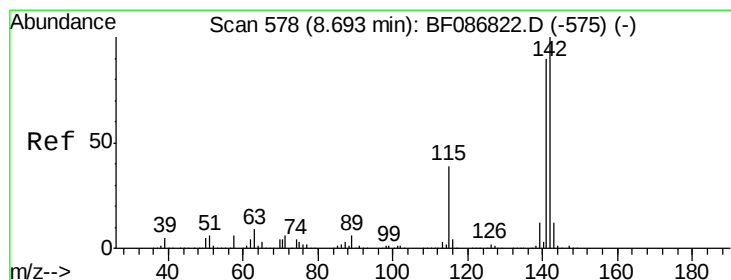
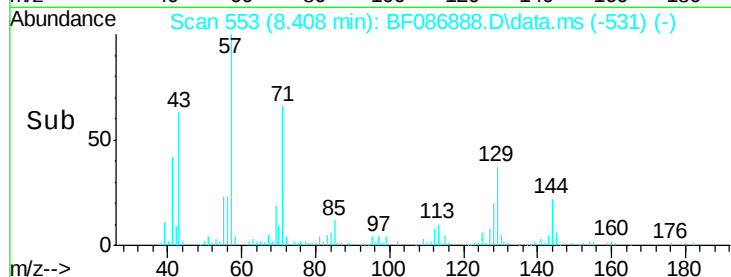
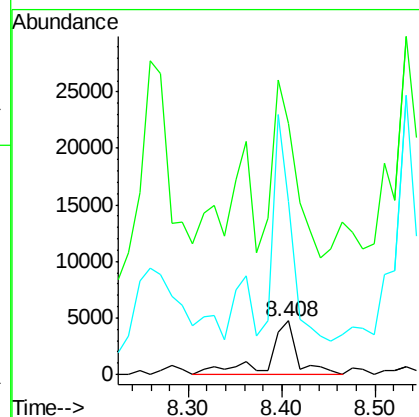
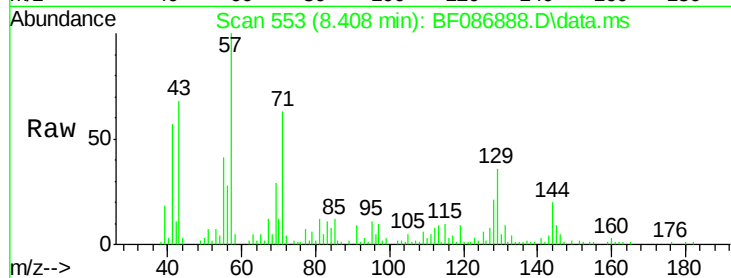
Tot Ion:113 Resp: 10213

Ion Ratio Lower Upper

113 100

55 469.9 162.0 202.0#

56 322.0 115.3 155.3#



#37

2-Methylnaphthalene

Concen: 29.56 ng

RT: 8.785 min Scan# 586

Delta R.T. 0.091 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

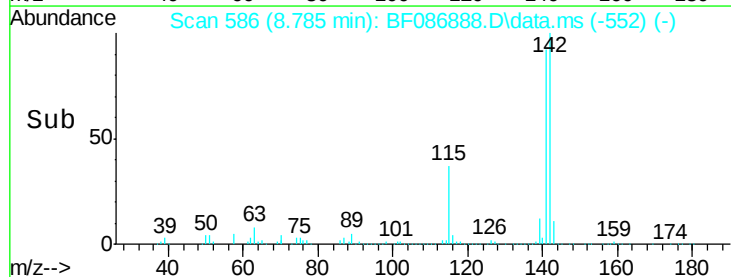
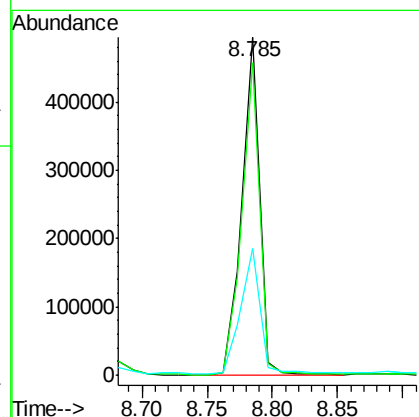
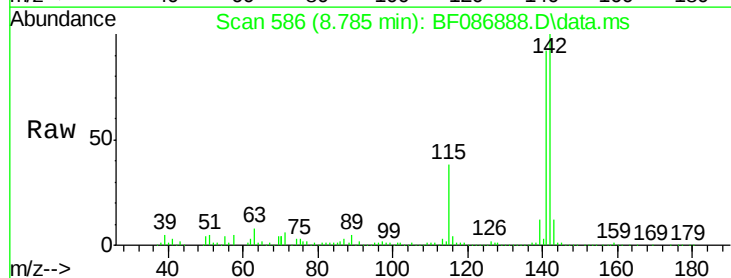
Tgt Ion:142 Resp: 460539

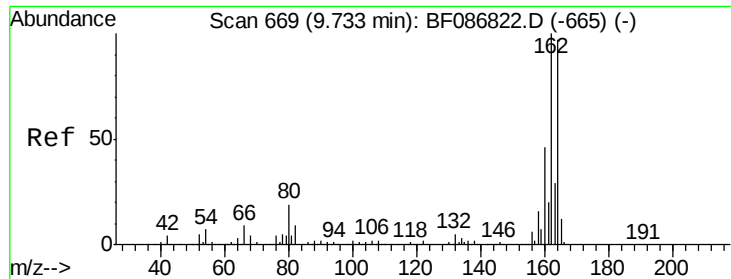
Ion Ratio Lower Upper

142 100

141 92.5 71.0 106.6

115 37.7 26.6 39.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.722 min Scan# 66

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

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ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

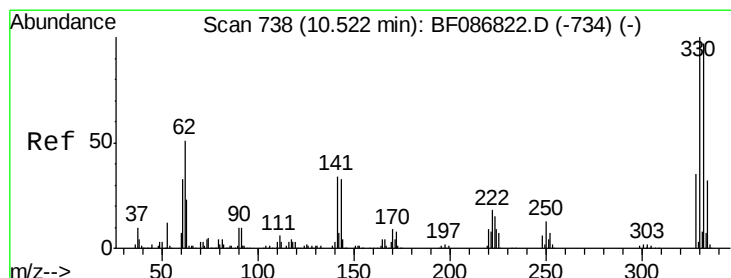
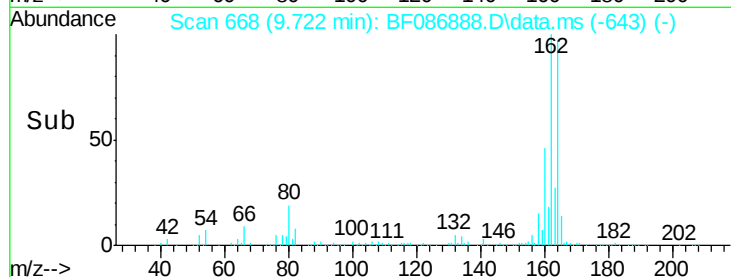
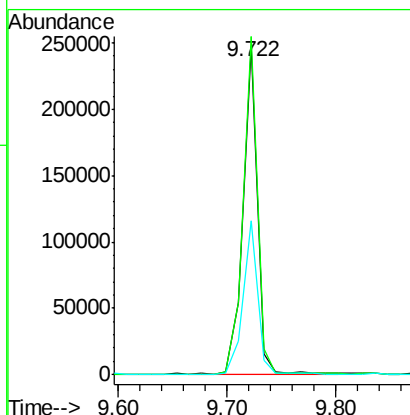
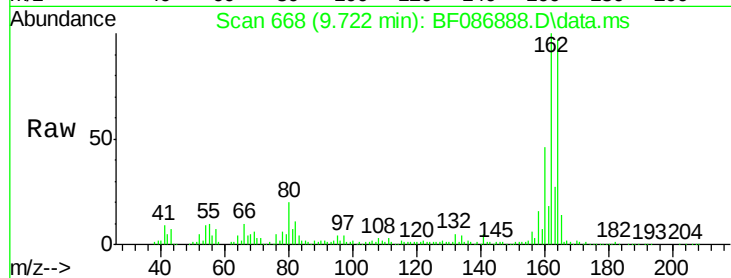
Tot Ion:164 Resp: 221103

Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

160 46.9 36.9 55.3



#41

2,4,6-Tribromophenol

Concen: 21.76 ng

RT: 10.511 min Scan# 737

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

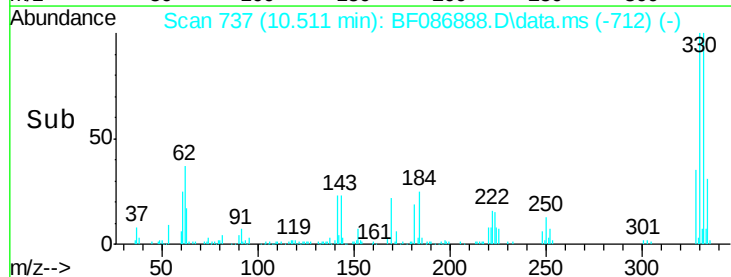
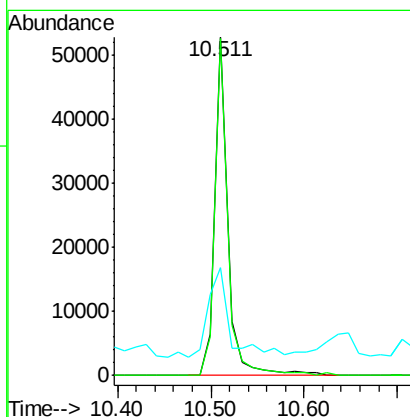
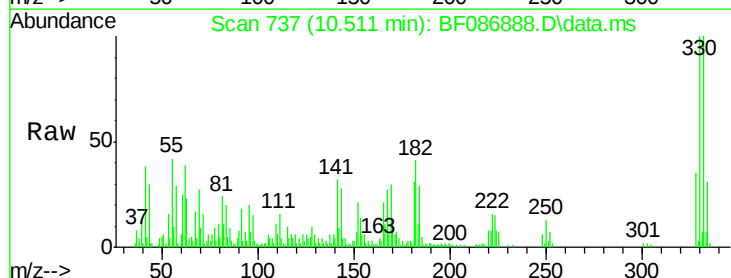
Tgt Ion:330 Resp: 50935

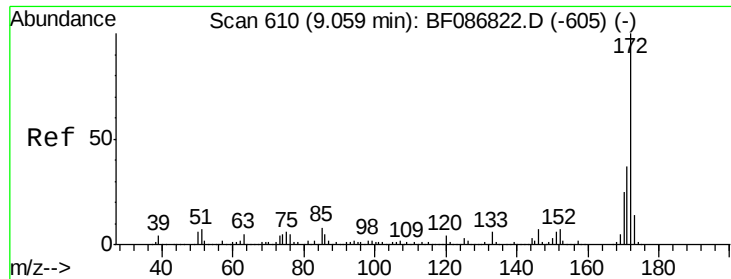
Ion Ratio Lower Upper

330 100

332 98.2 79.0 118.4

141 43.7 31.2 46.8

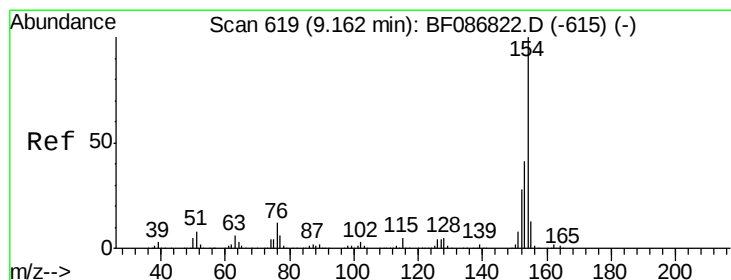
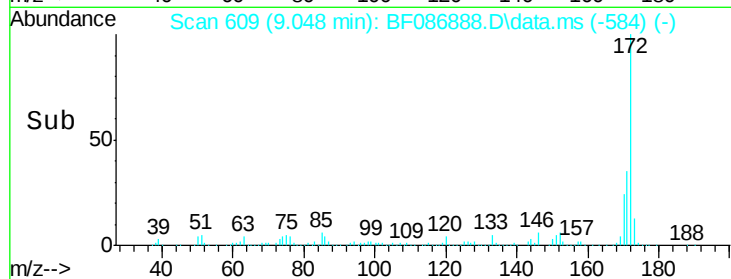
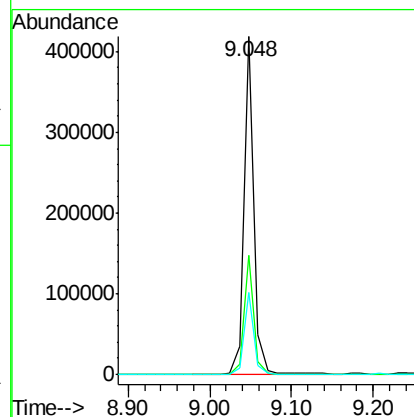
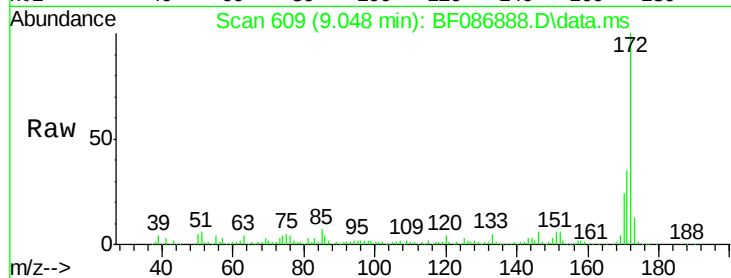




#44
2-Fluorobiphenyl
Concen: 27.26 ng
RT: 9.048 min Scan# 60
Delta R.T. -0.011 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

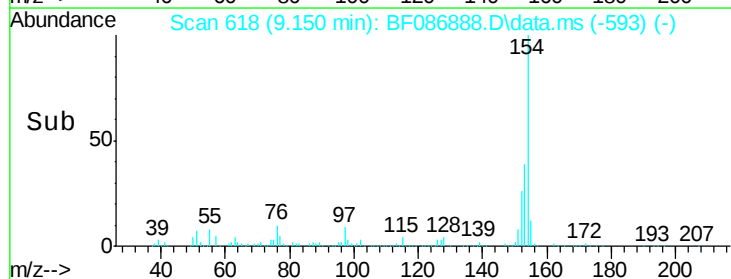
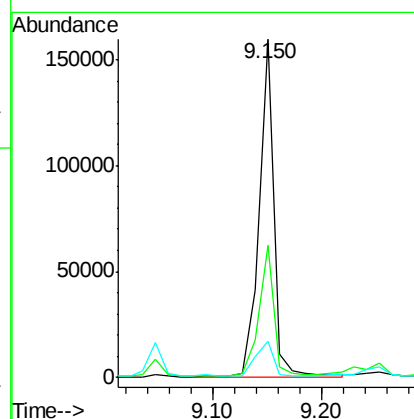
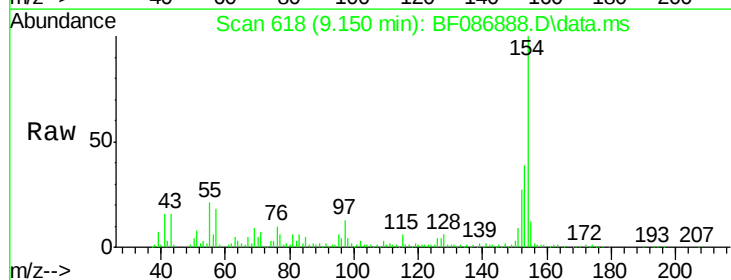
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

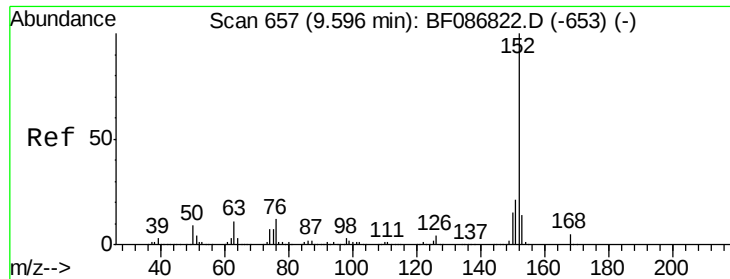
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	24.1	19.8	29.8



#45
1,1'-Biphenyl
Concen: 8.73 ng
RT: 9.150 min Scan# 618
Delta R.T. -0.011 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.3	60.3
76	10.5	0.0	30.2





#48

Acenaphthylene

Concen: 4.81 ng

RT: 9.585 min Scan# 65

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

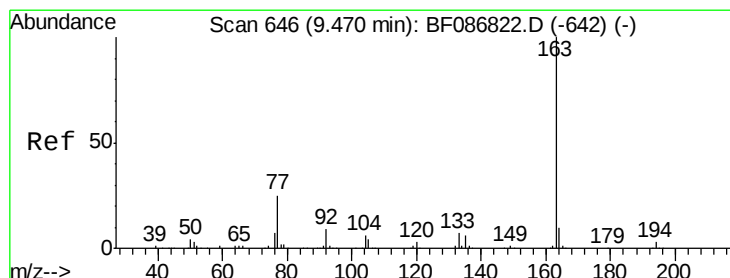
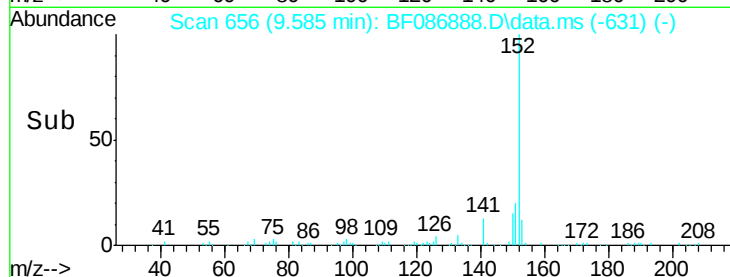
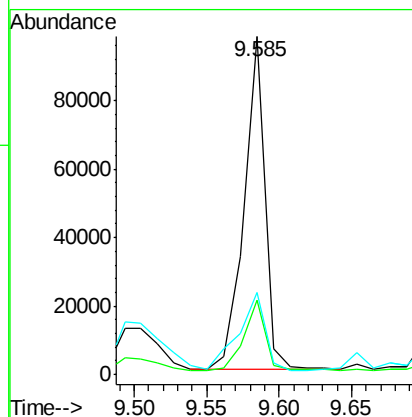
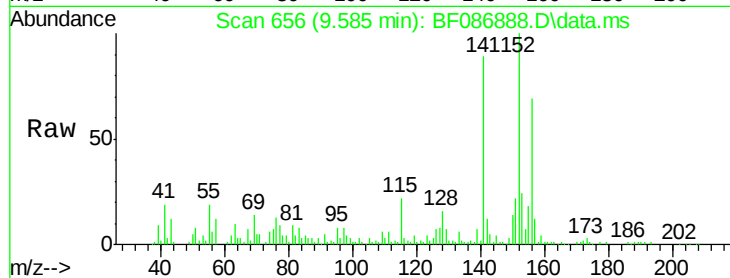
Tot Ion:152 Resp: 97553

Ion Ratio Lower Upper

152 100

151 21.9 16.8 25.2

153 24.3 10.9 16.3#



#49

Dimethylphthalate

Concen: 2.06 ng

RT: 9.448 min Scan# 644

Delta R.T. -0.023 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

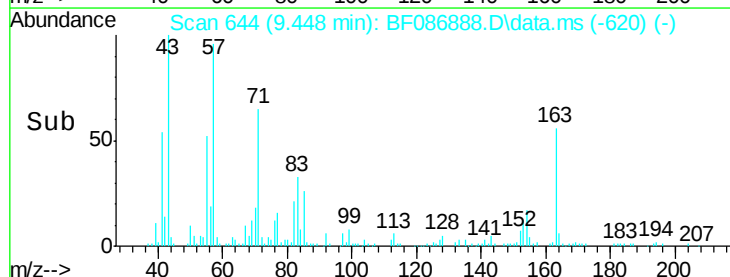
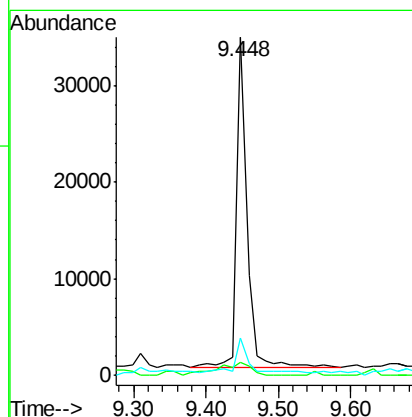
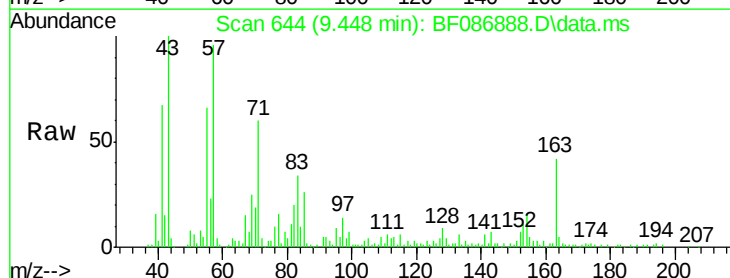
Tgt Ion:163 Resp: 34713

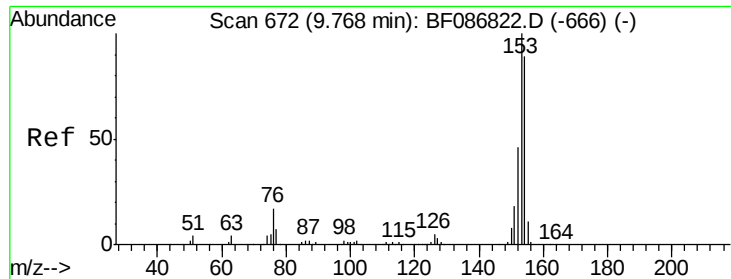
Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

164 11.0 8.2 12.4





#51

Acenaphthene

Concen: 36.89 ng

RT: 9.756 min Scan# 671

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

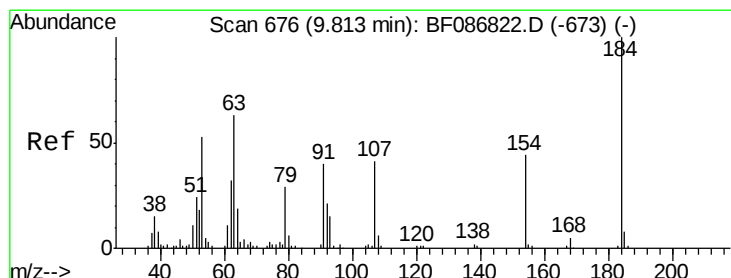
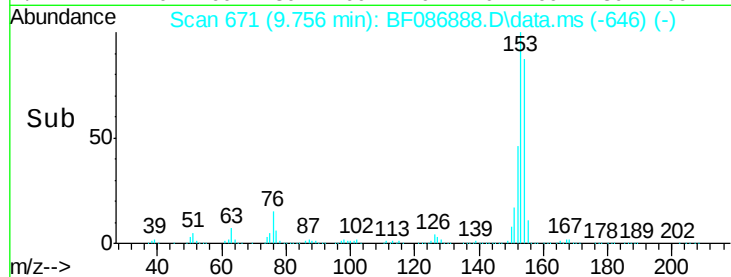
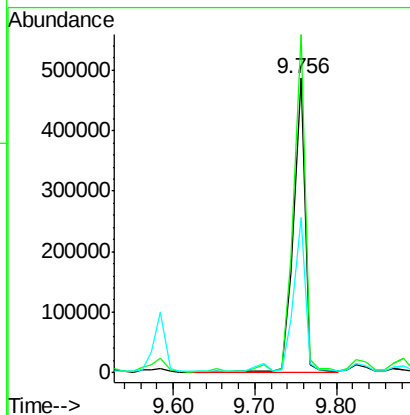
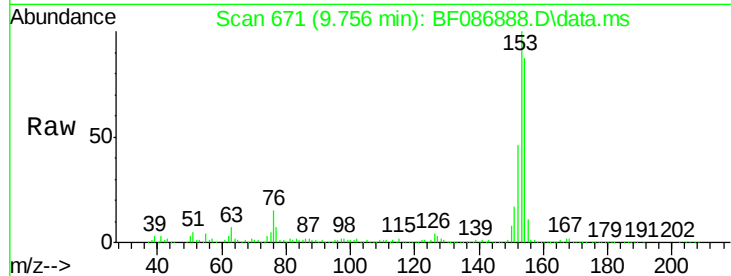
Tot Ion:154 Resp: 465037

Ion Ratio Lower Upper

154 100

153 115.0 89.8 134.6

152 52.5 43.4 65.0



#53

2,4-Dinitrophenol

Concen: 8.25 ng

RT: 9.825 min Scan# 677

Delta R.T. 0.012 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

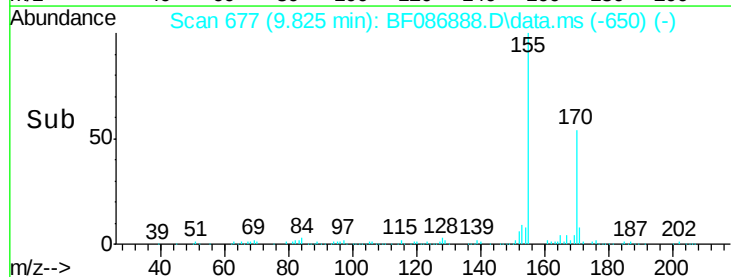
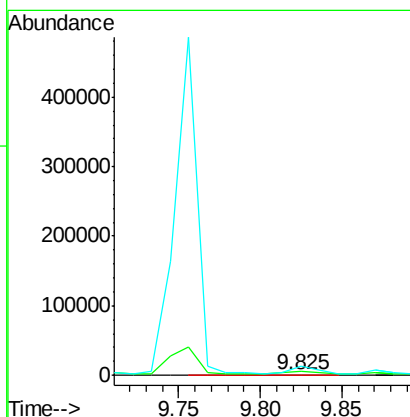
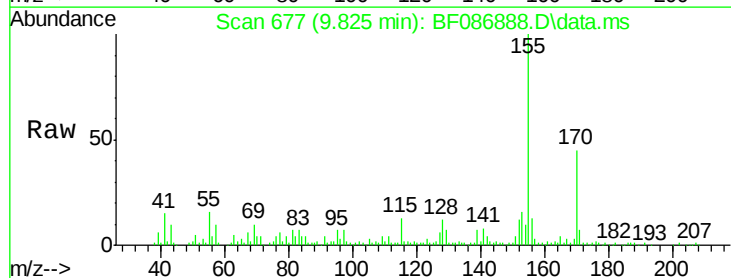
Tgt Ion:184 Resp: 1131

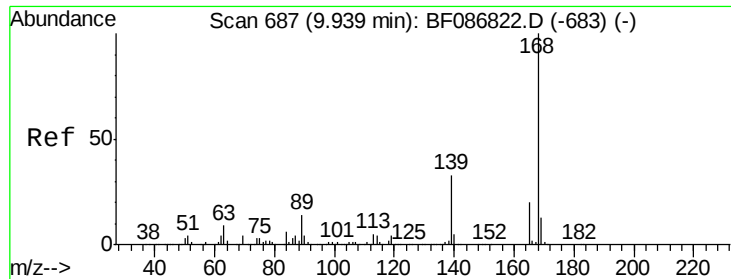
Ion Ratio Lower Upper

184 100

63 1729.2 55.8 83.8#

154 3622.5 62.4 93.6#





#54

Dibenzofuran

Concen: 2.51 ng

RT: 9.928 min Scan# 68

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

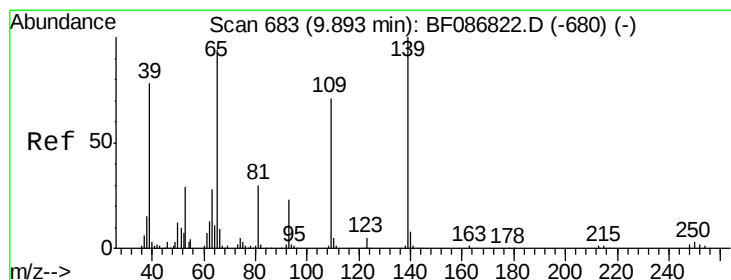
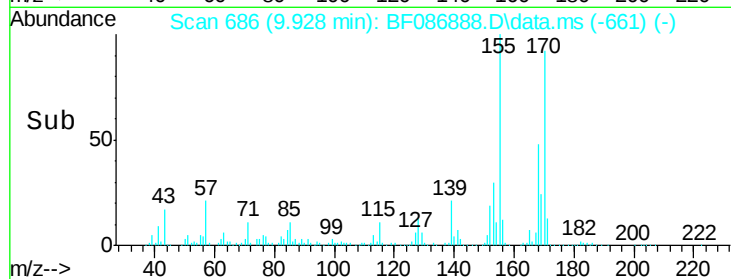
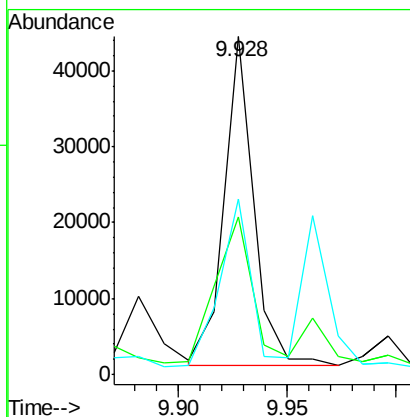
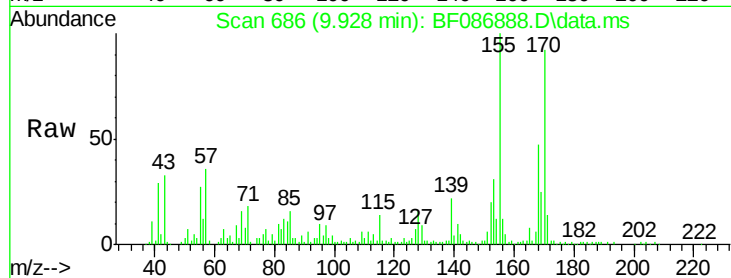
Tot Ion:168 Resp: 40637

Ion Ratio Lower Upper

168 100

139 46.4 31.4 47.0

169 52.1 10.7 16.1#



#55

4-Nitrophenol

Concen: 5.34 ng

RT: 9.870 min Scan# 681

Delta R.T. -0.023 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

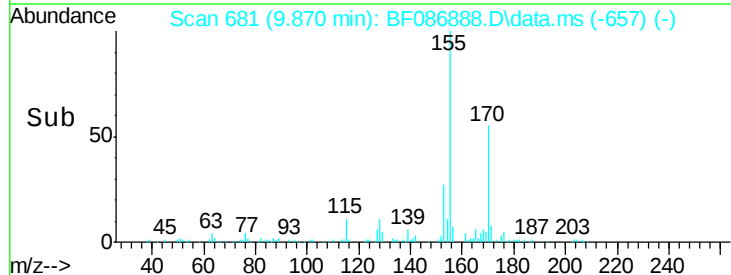
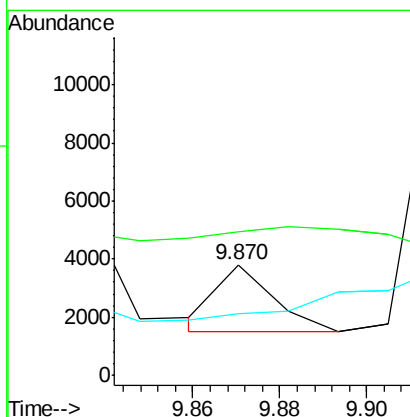
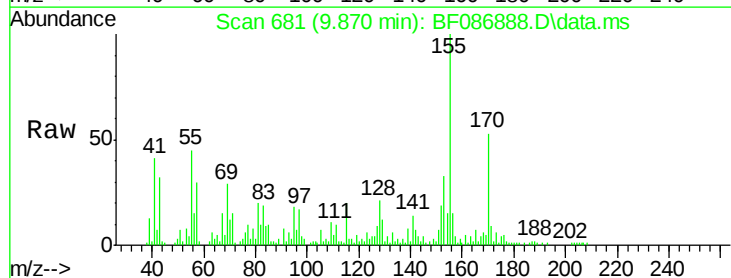
Tgt Ion:139 Resp: 2053

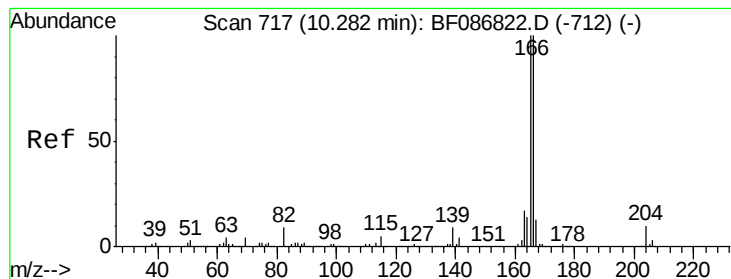
Ion Ratio Lower Upper

139 100

109 130.0 36.9 76.9#

65 56.2 64.0 104.0#





#57

Fluorene

Concen: 26.18 ng

RT: 10.271 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

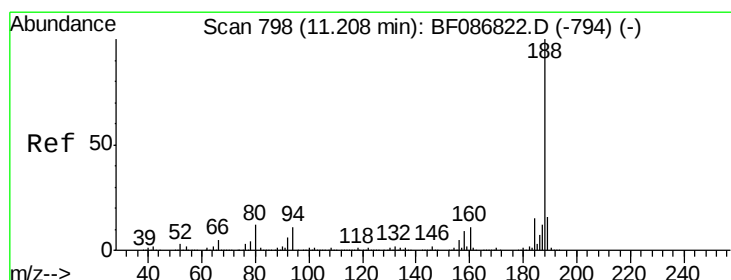
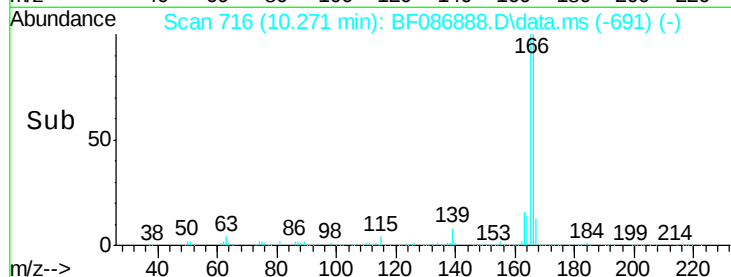
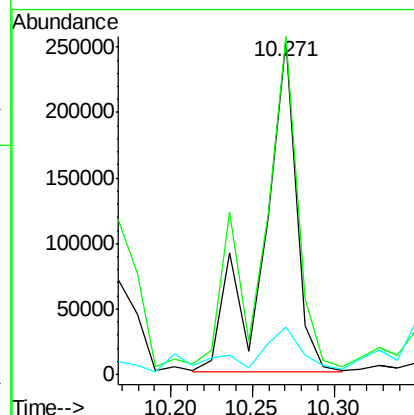
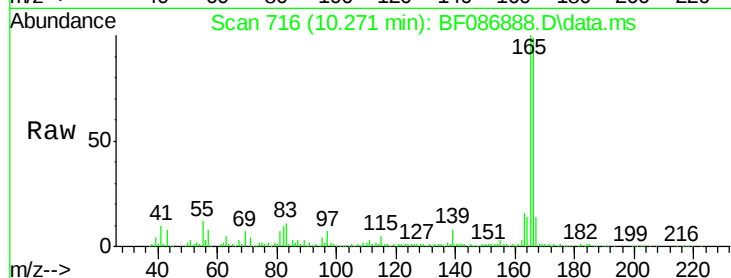
Tot Ion:166 Resp: 361327

Ion Ratio Lower Upper

166 100

165 101.1 79.0 118.6

167 14.1 10.6 15.8



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.196 min Scan# 797

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

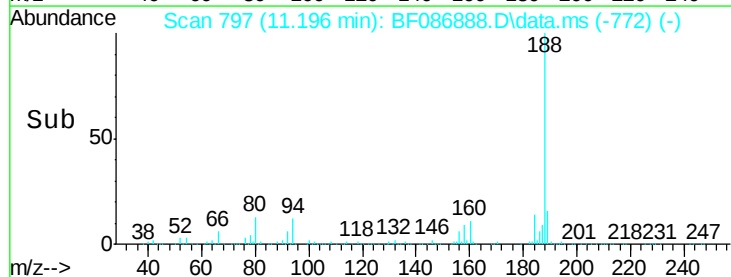
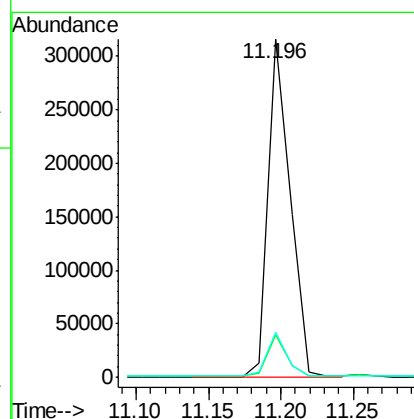
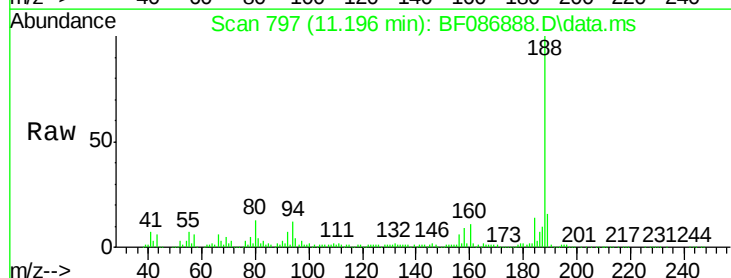
Tgt Ion:188 Resp: 335516

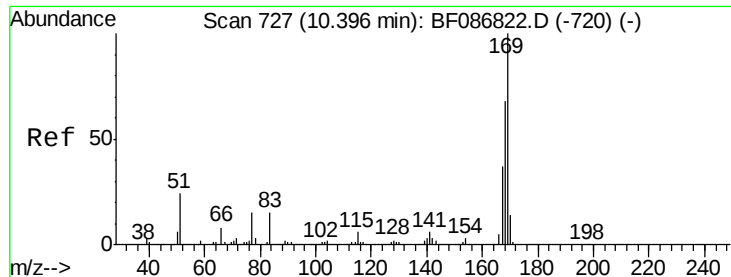
Ion Ratio Lower Upper

188 100

94 12.5 6.8 10.2#

80 13.4 7.1 10.7#

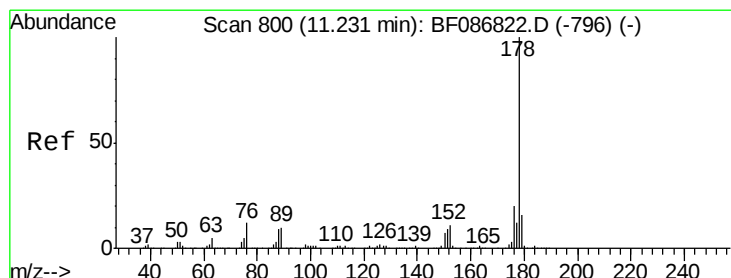
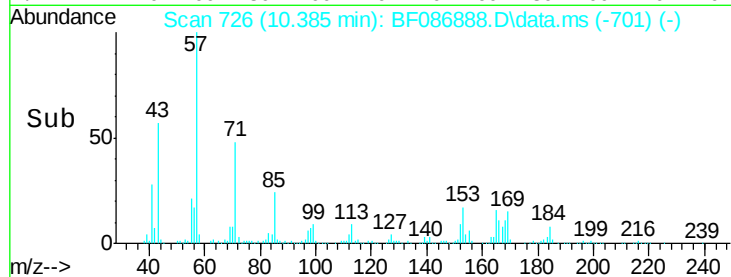
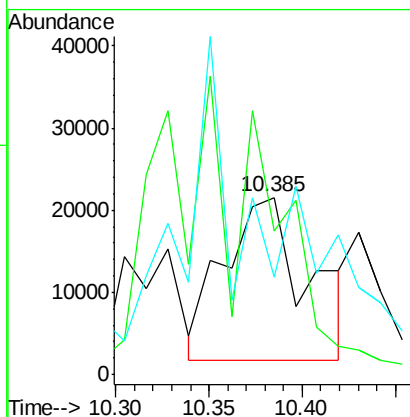
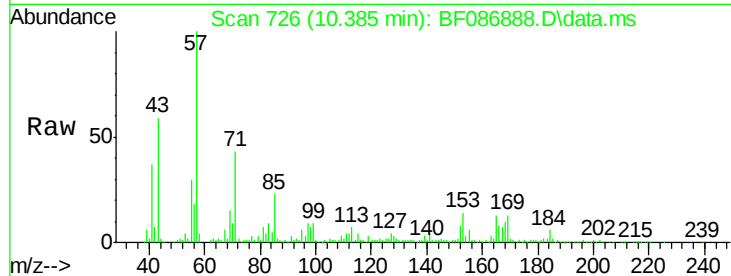




#65
n-Nitrosodiphenylamine
Concen: 6.01 ng
RT: 10.385 min Scan# 72
Delta R.T. -0.011 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

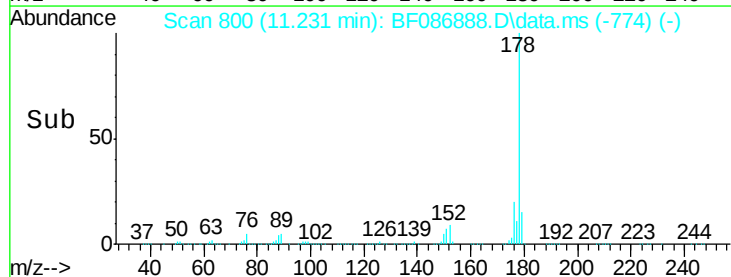
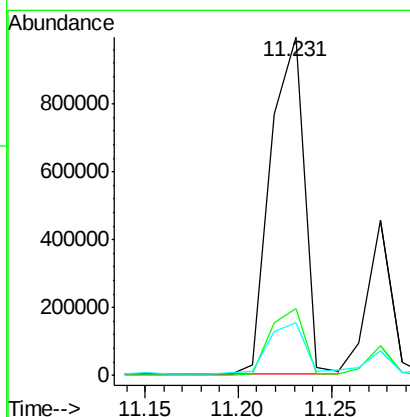
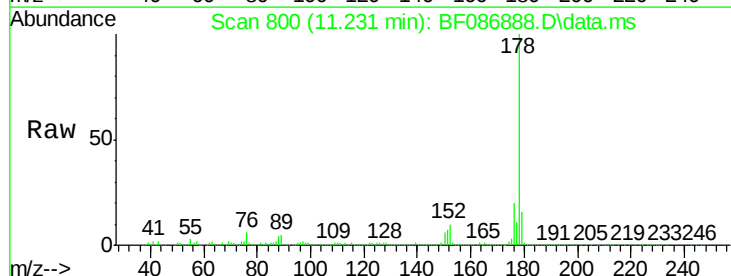
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

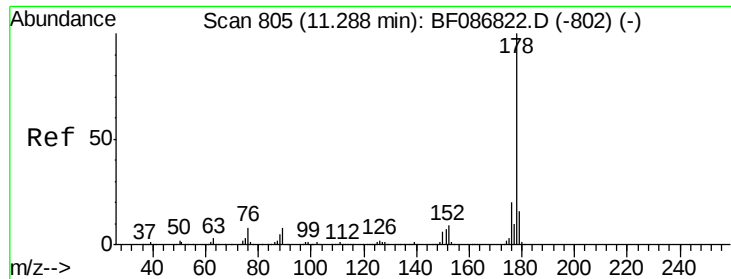
Tot Ion:169 Resp: 61959
Ion Ratio Lower Upper
169 100
168 80.7 53.8 80.6#
167 55.0 29.5 44.3#



#70
Phenanthrene
Concen: 69.68 ng
RT: 11.231 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion:178 Resp: 1247692
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.5 12.6 18.8





#71

Anthracene

Concen: 24.56 ng

RT: 11.276 min Scan# 80

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

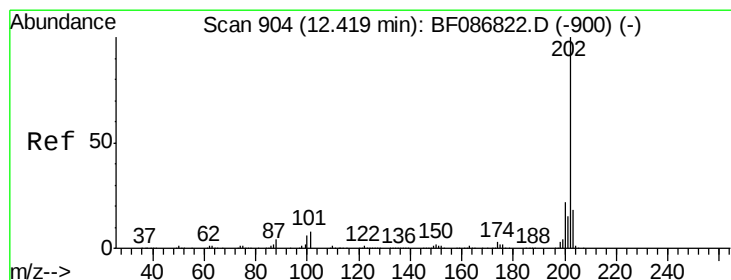
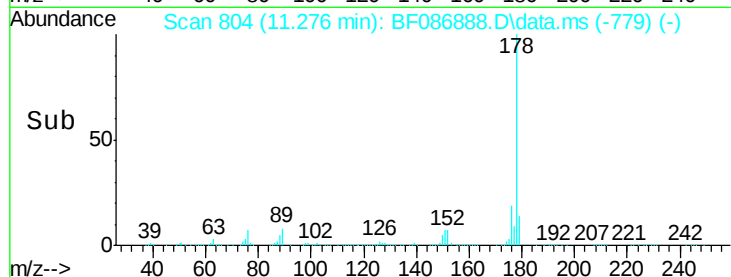
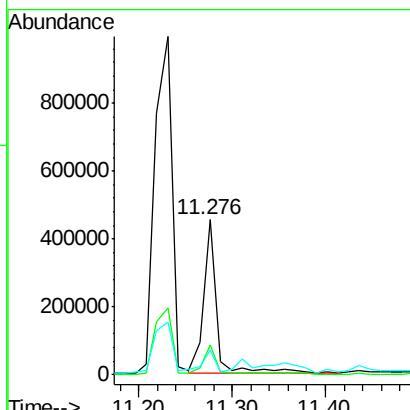
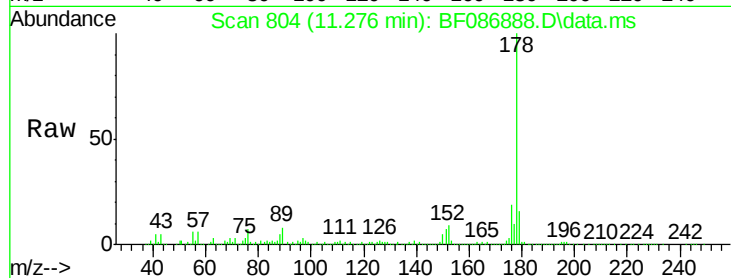
Tot Ion:178 Resp: 449821

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 16.0 12.7 19.1



#74

Fluoranthene

Concen: 20.81 ng

RT: 12.408 min Scan# 903

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

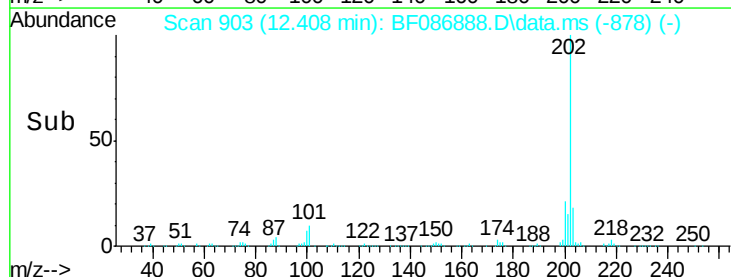
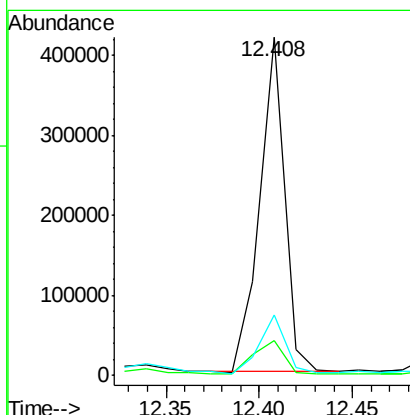
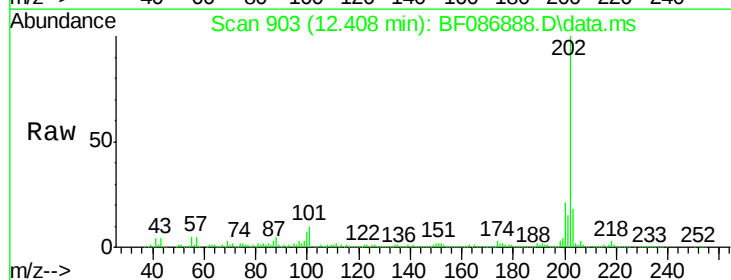
Tgt Ion:202 Resp: 383292

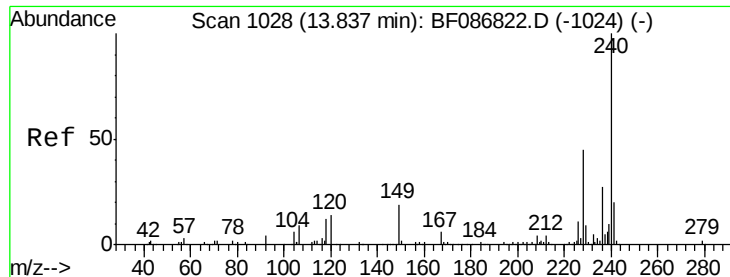
Ion Ratio Lower Upper

202 100

101 10.3 0.0 35.4

203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.825 min Scan# 10

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

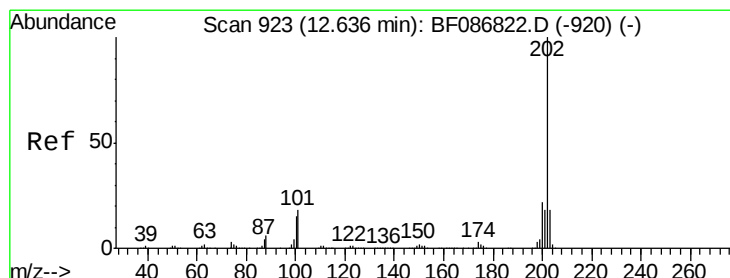
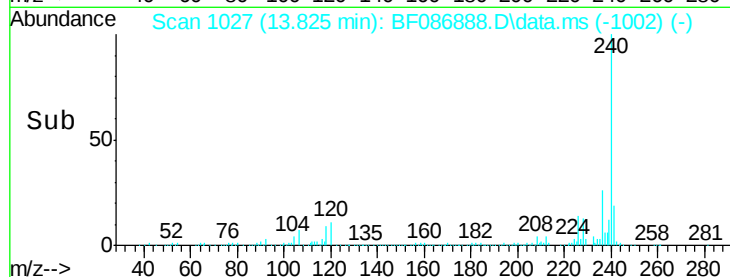
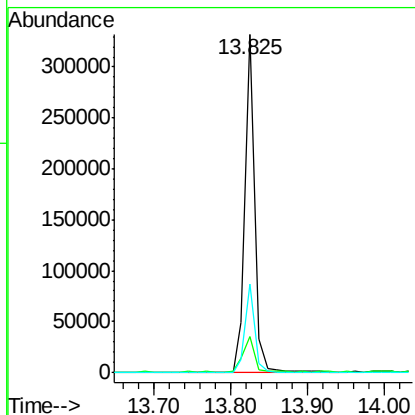
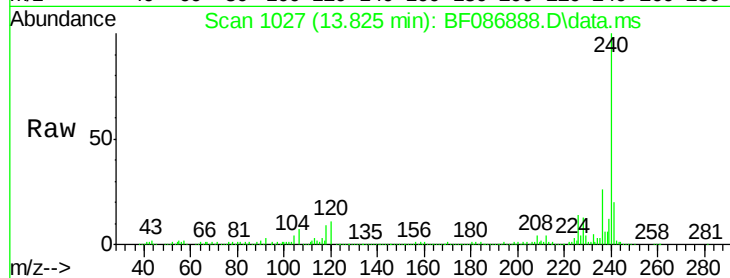
Tot Ion:240 Resp: 295759

Ion Ratio Lower Upper

240 100

120 10.8 11.2 16.8#

236 26.2 21.2 31.8



#77

Pyrene

Concen: 26.13 ng

RT: 12.636 min Scan# 923

Delta R.T. 0.000 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

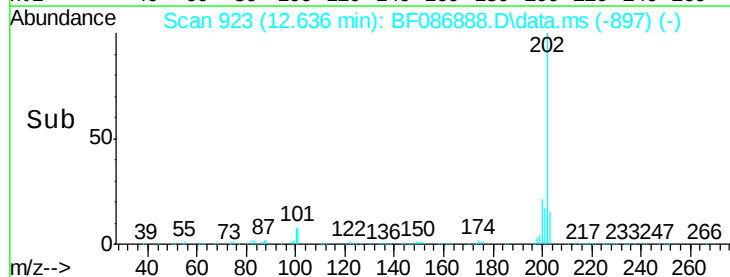
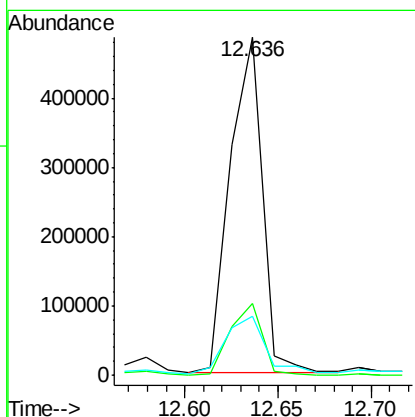
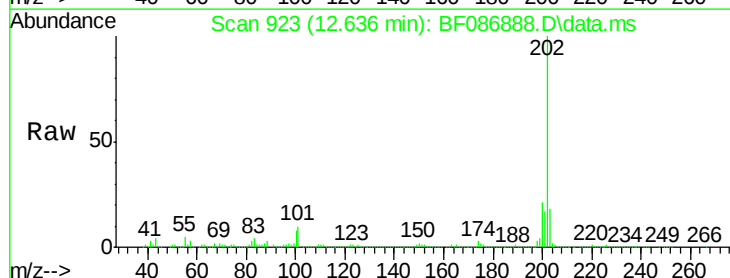
Tgt Ion:202 Resp: 591697

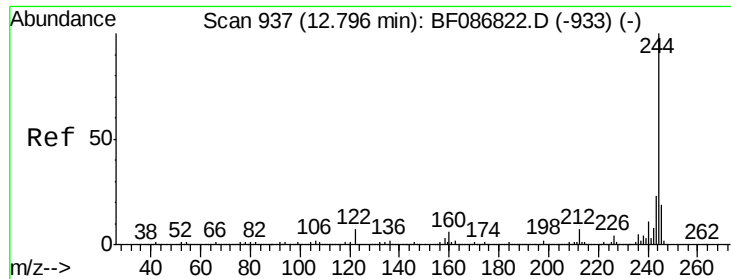
Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

203 17.6 14.2 21.4





#78

Terphenyl-d14

Concen: 17.56 ng

RT: 12.774 min Scan# 93

Delta R.T. -0.023 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

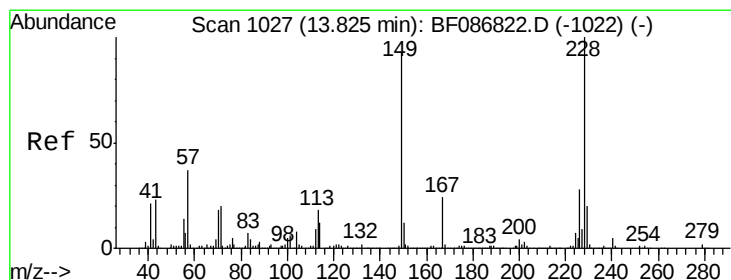
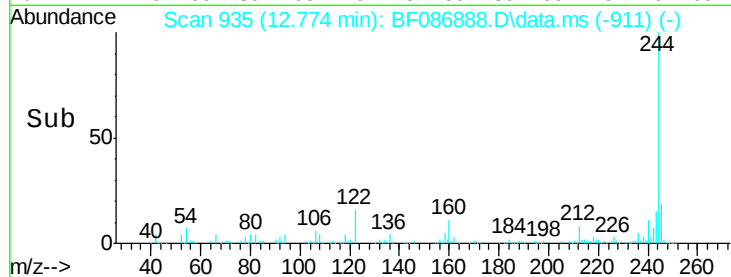
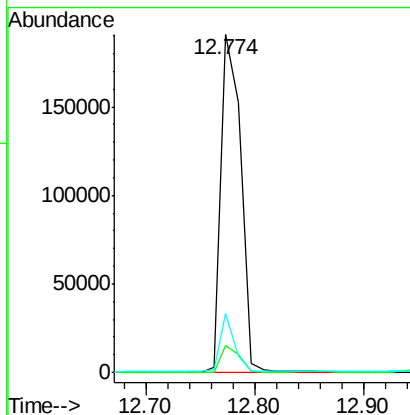
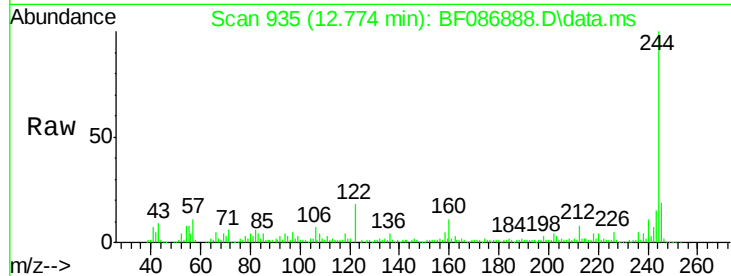
Tot Ion:244 Resp: 244743

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

122 17.7 12.0 18.0



#80

Benzo(a)anthracene

Concen: 12.54 ng

RT: 13.814 min Scan# 1026

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

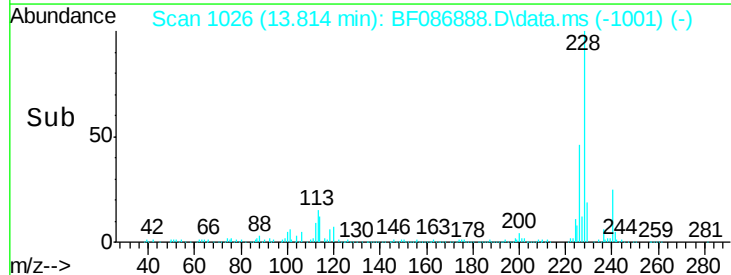
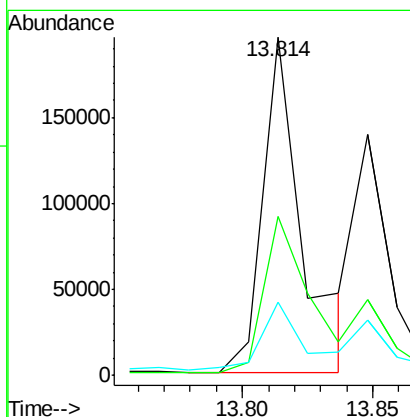
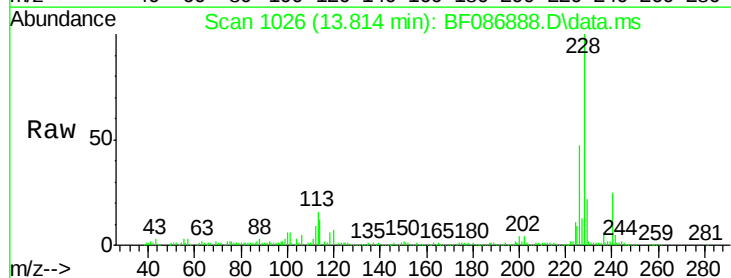
Tgt Ion:228 Resp: 208247

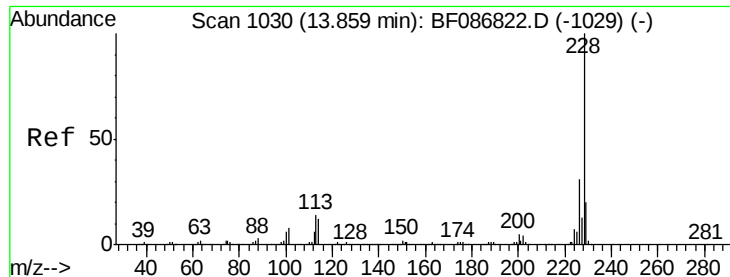
Ion Ratio Lower Upper

228 100

226 47.2 22.5 33.7#

229 21.6 16.6 25.0





#82

Chrysene

Concen: 12.33 ng

RT: 13.814 min Scan# 10

Delta R.T. -0.046 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

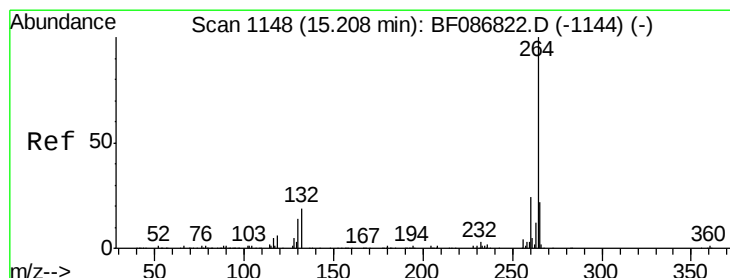
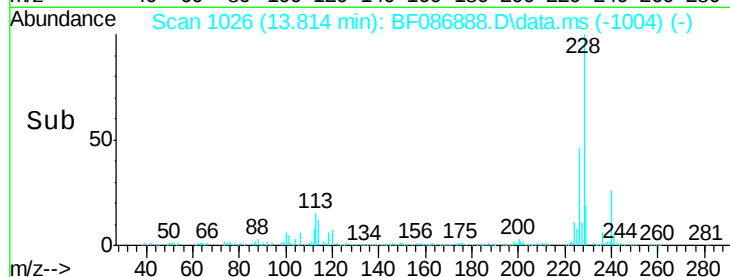
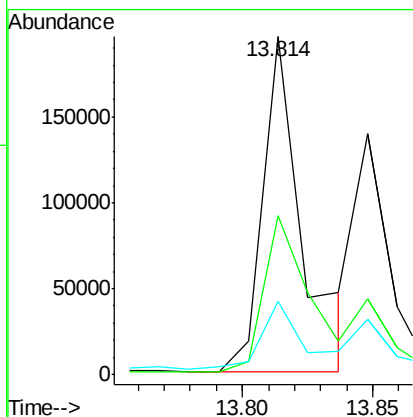
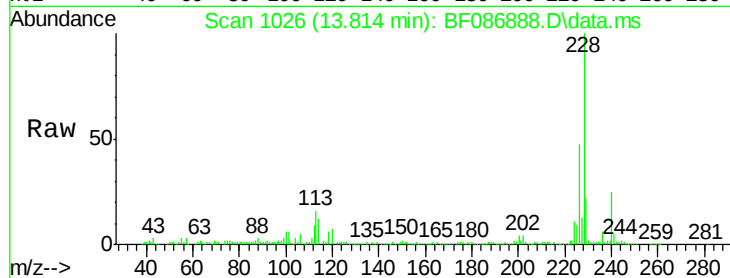
Tot Ion:228 Resp: 208247

Ion Ratio Lower Upper

228 100

226 47.2 24.4 36.6#

229 21.6 15.8 23.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.197 min Scan# 1147

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

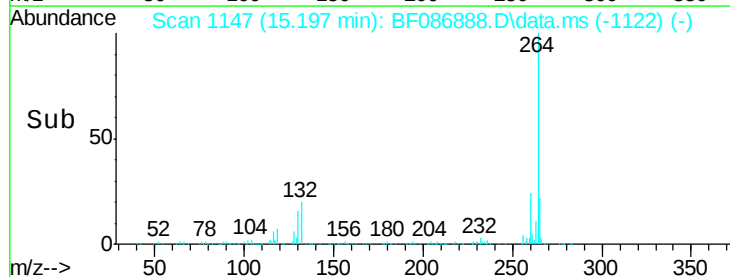
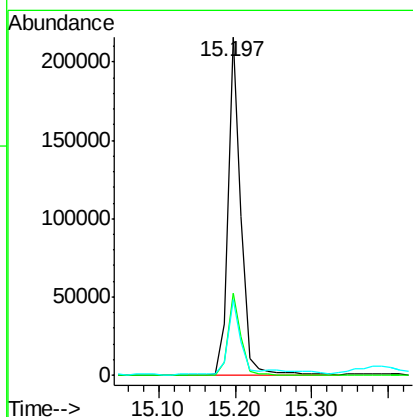
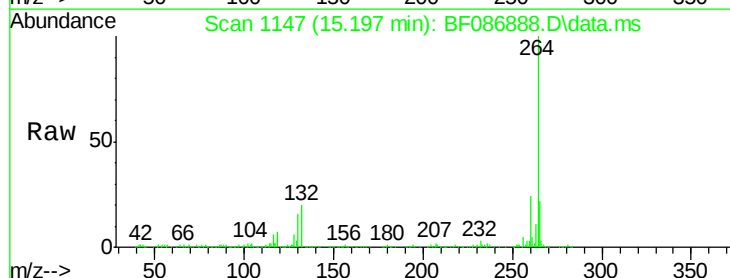
Tgt Ion:264 Resp: 258511

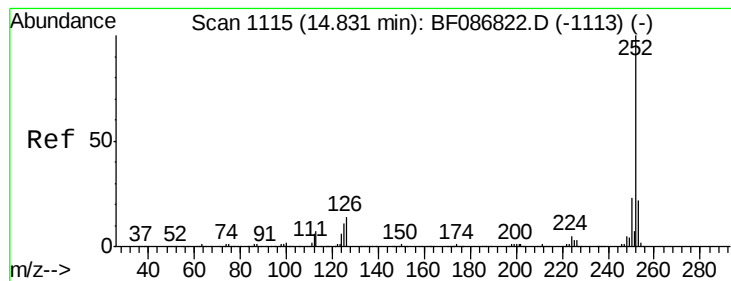
Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.4 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 7.36 ng

RT: 14.820 min Scan# 1115

Delta R.T. -0.011 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

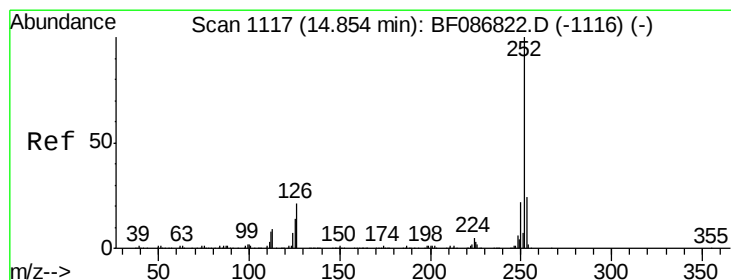
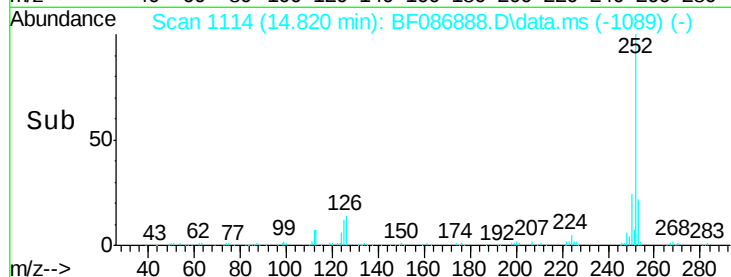
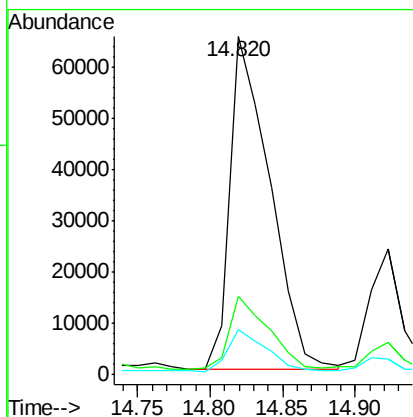
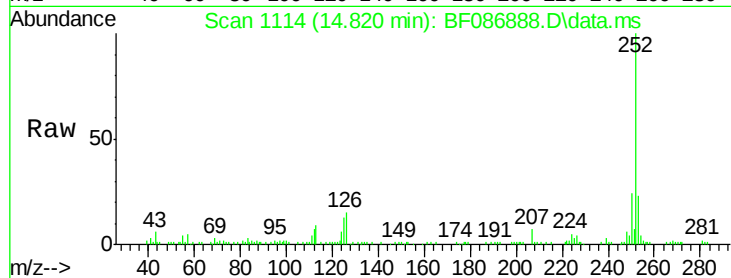
Tot Ion:252 Resp: 123709

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 13.4 11.4 17.0



#88

Benzo(k)fluoranthene

Concen: 8.99 ng

RT: 14.820 min Scan# 1114

Delta R.T. -0.034 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

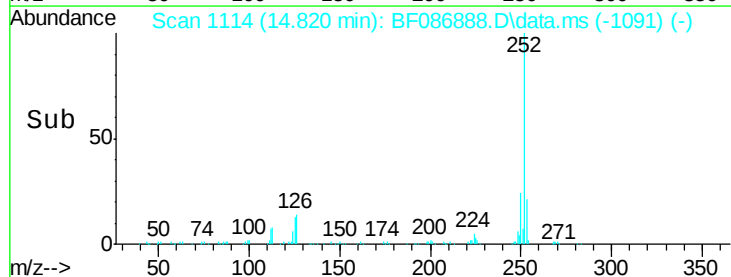
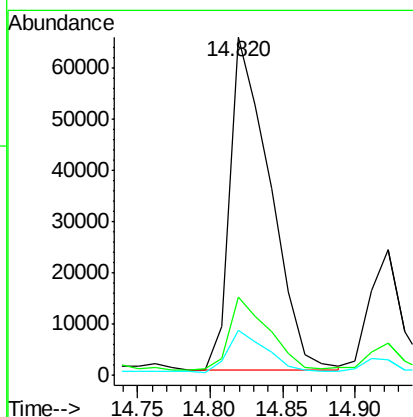
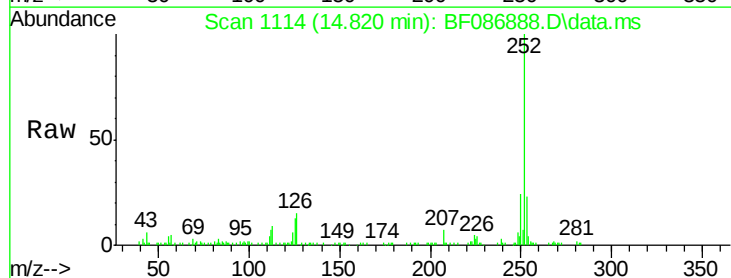
Tgt Ion:252 Resp: 123709

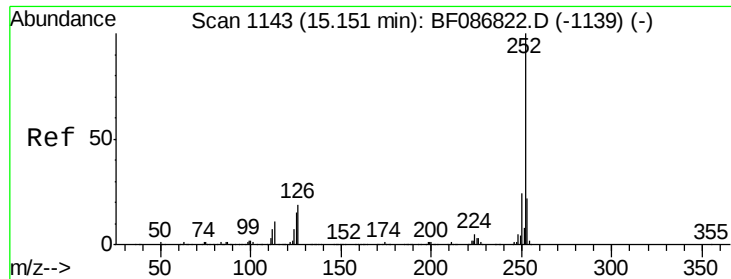
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 13.4 9.1 13.7

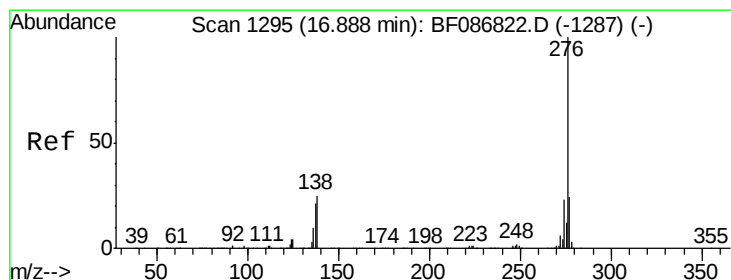
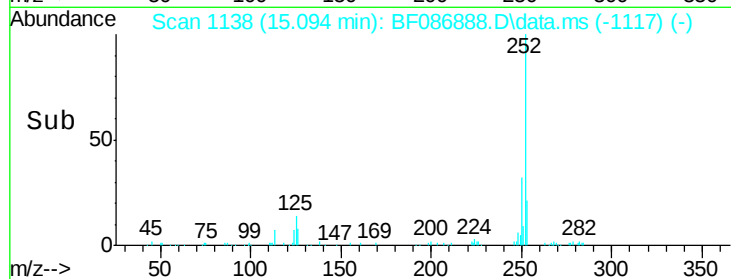
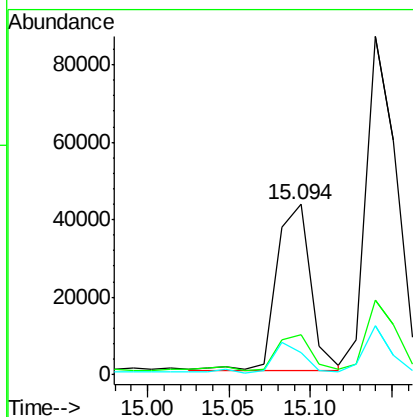
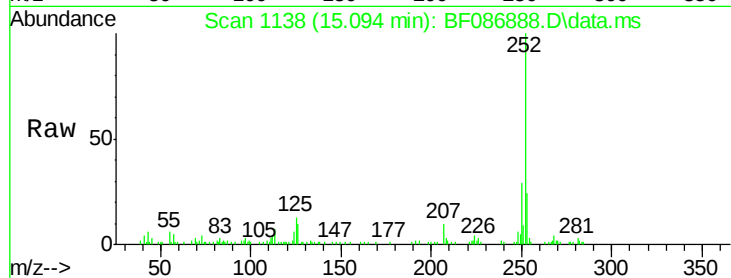




#89
Benzo(a)pyrene
Concen: 4.33 ng
RT: 15.094 min Scan# 111
Delta R.T. -0.057 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	12.9	9.0	13.6



#91
Benzo(g,h,i)perylene
Concen: 3.01 ng
RT: 16.865 min Scan# 1293
Delta R.T. -0.023 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.6	29.4
138	27.1	23.6	35.4

