

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097663.D
 Acq On : 13 Aug 2017 8:58
 Operator : SJ/JU
 Sample : I4697-13DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-8BDL

Quant Time: Aug 14 05:28:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

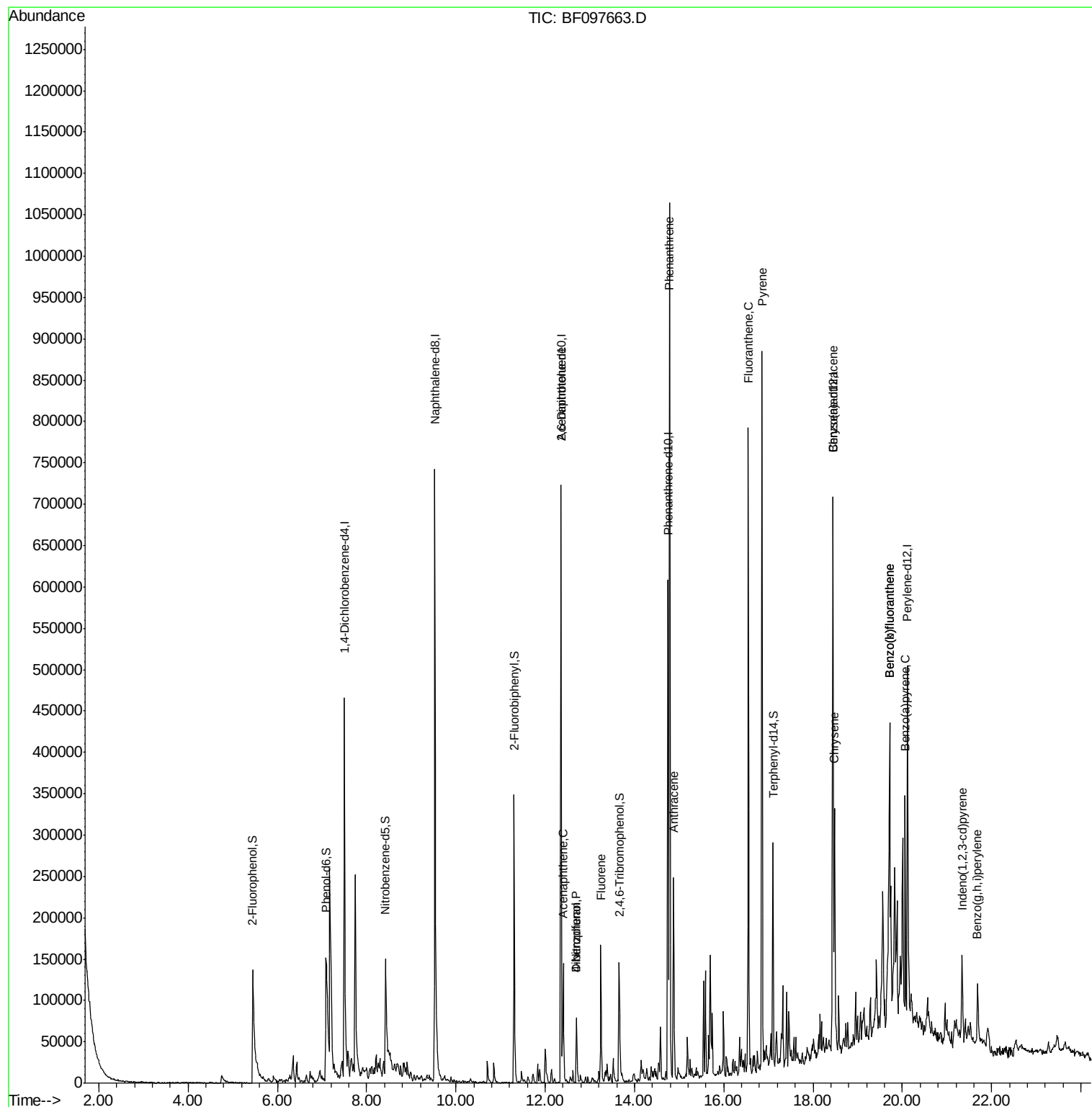
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	110934	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	507587	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	197081	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	281664	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	202846	20.00	ng	-0.01
86) Perylene-d12	20.11	264	172064	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	130088	18.64	ng	0.05
7) Phenol-d6	7.09	99	164552	19.01	ng	0.03
23) Nitrobenzene-d5	8.42	82	118673	14.66	ng	0.00
41) 2,4,6-Tribromophenol	13.66	330	20623	13.77	ng	0.00
44) 2-Fluorobiphenyl	11.30	172	163931	12.55	ng	-0.02
78) Terphenyl-d14	17.10	244	86798	8.86	ng	-0.02
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	12.35	165	24434	7.79	ng	# 33
51) Acenaphthene	12.40	154	43295	3.50	ng	97
54) Dibenzofuran	12.70	168	50227	2.90	ng	97
55) 4-Nitrophenol	12.70	139	19428	12.42	ng	# 25
57) Fluorene	13.24	166	64595	4.54	ng	97
70) Phenanthrene	14.79	178	561638	34.62	ng	99
71) Anthracene	14.87	178	137001	8.25	ng	97
74) Fluoranthene	16.55	202	404381	27.59	ng	98
77) Pyrene	16.86	202	372949	22.23	ng	97
80) Benzo(a)anthracene	18.44	228	148108	12.50	ng	99
82) Chrysene	18.48	228	136692	11.60	ng	98
85) Indeno(1,2,3-cd)pyrene	21.34	276	54321	5.93	ng	97
87) Benzo(b)fluoranthene	19.71	252	139363	13.49	ng	# 95
88) Benzo(k)fluoranthene	19.71	252	139363	13.39	ng	98
89) Benzo(a)pyrene	20.06	252	106525	11.23	ng	97
91) Benzo(g,h,i)perylene	21.69	276	49205	6.61	ng	93

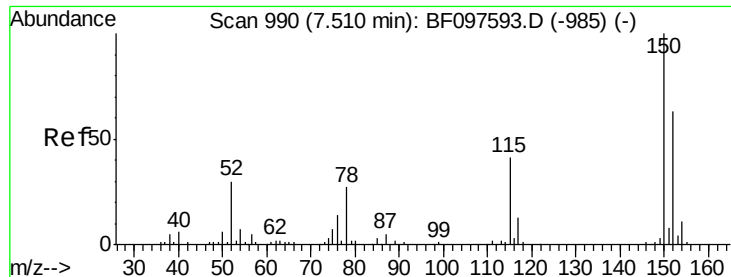
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

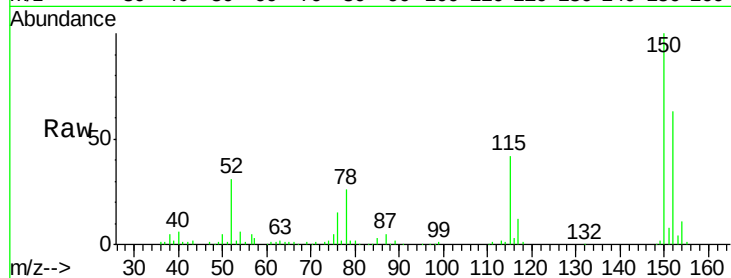
Tot Ion:152 Resp: 110934

Ion Ratio Lower Upper

152 100

150 157.5 126.2 189.2

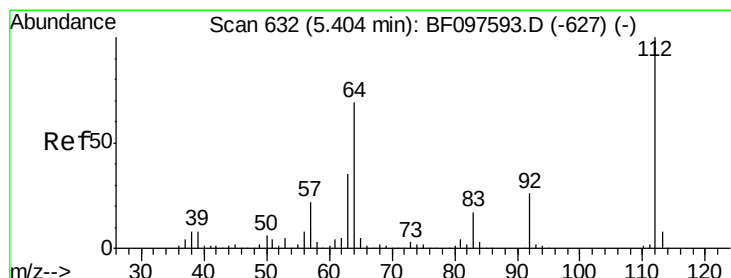
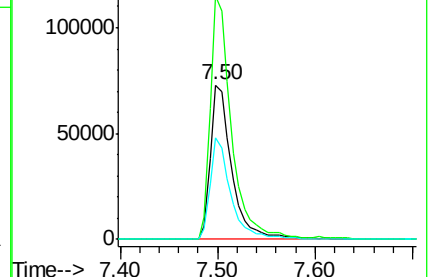
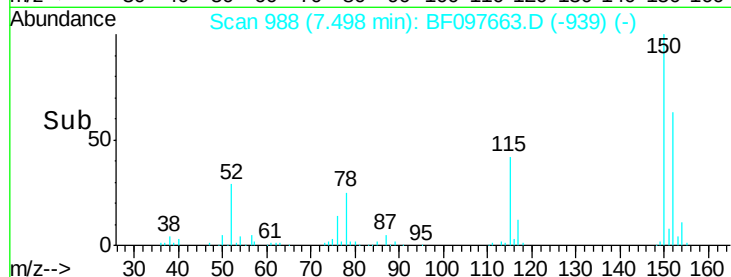
115 65.9 52.2 78.2



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: 18.64 ng

RT: 5.45 min Scan# 640

Delta R.T. 0.05 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

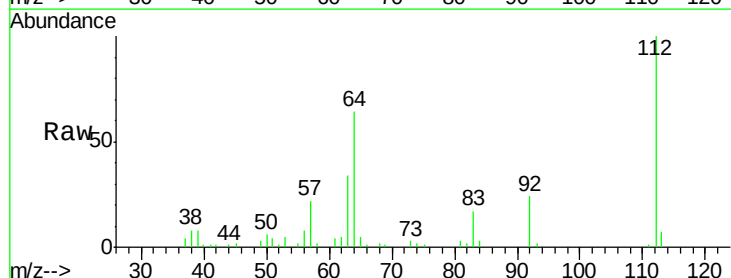
Tgt Ion:112 Resp: 130088

Ion Ratio Lower Upper

112 100

64 64.0 46.0 69.0

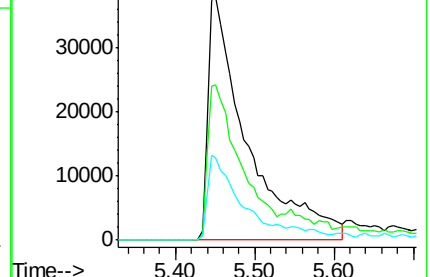
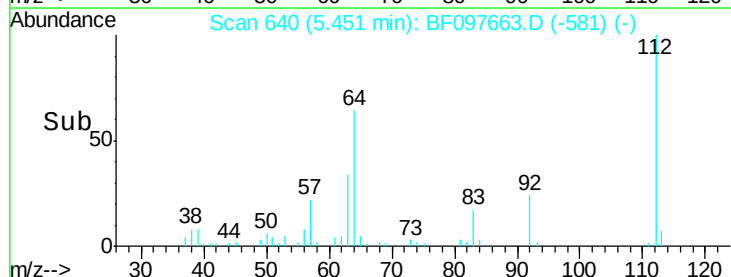
63 34.0 23.4 35.0

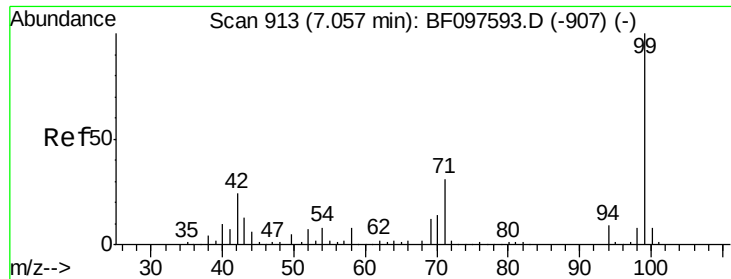


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.01 ng

RT: 7.09 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

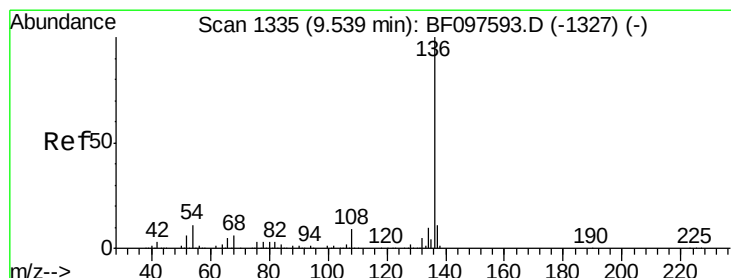
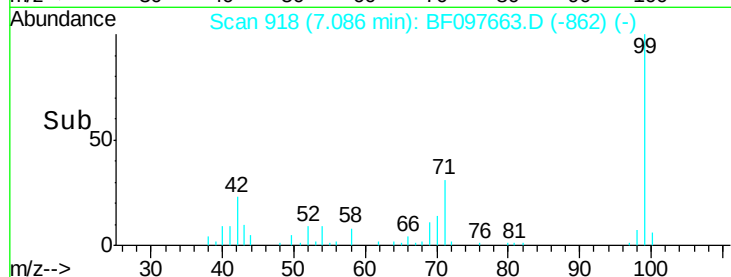
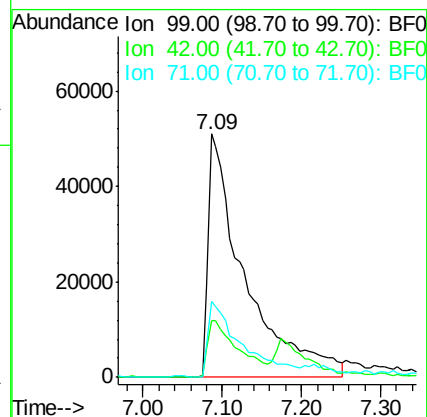
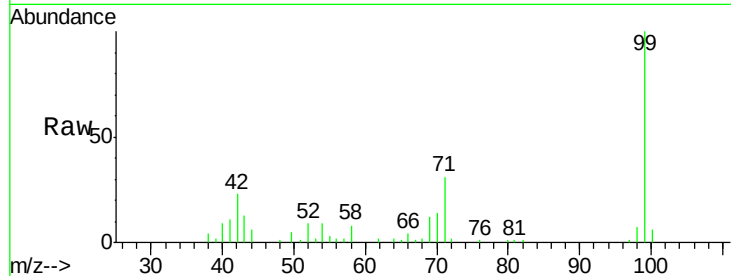
BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

Tot Ion: 99 Resp: 164552

Ion	Ratio	Lower	Upper
99	100		
42	23.2	13.5	20.3#
71	31.4	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.53 min Scan# 1333

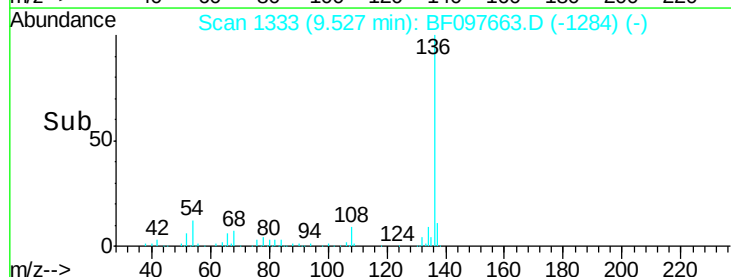
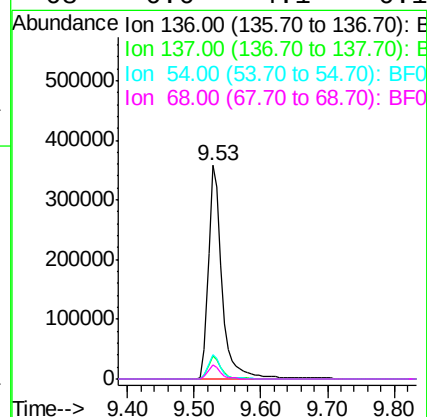
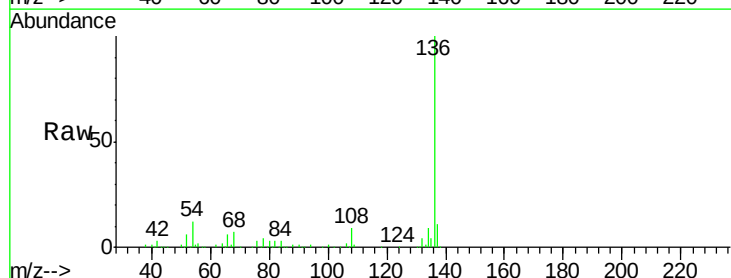
Delta R.T. -0.01 min

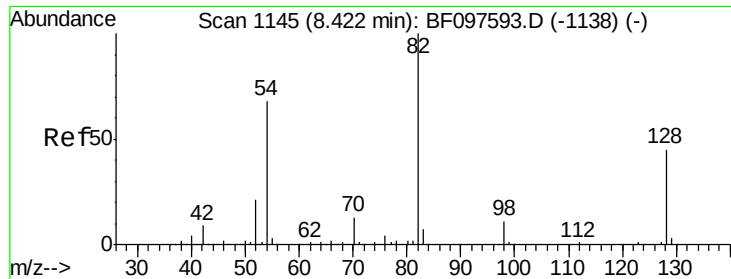
Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Tgt Ion: 136 Resp: 507587

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.7	4.9	7.3#
68	6.6	4.1	6.1#

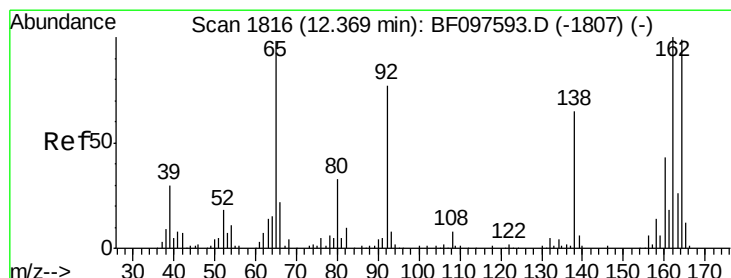
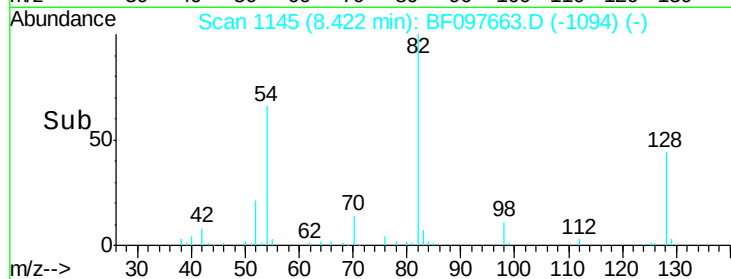
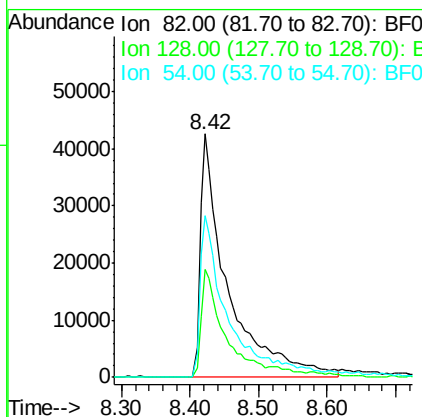
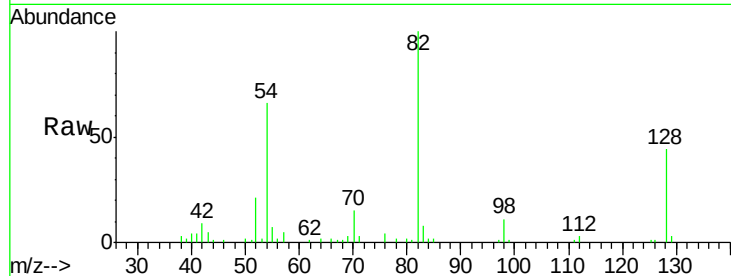




#23
 Nitrobenzene-d5
 Concen: 14.66 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

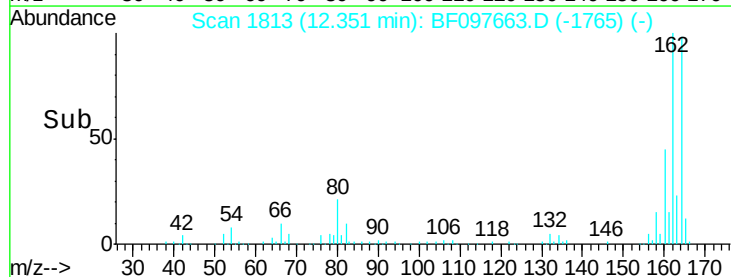
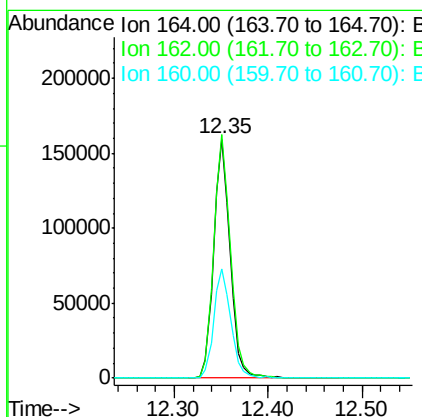
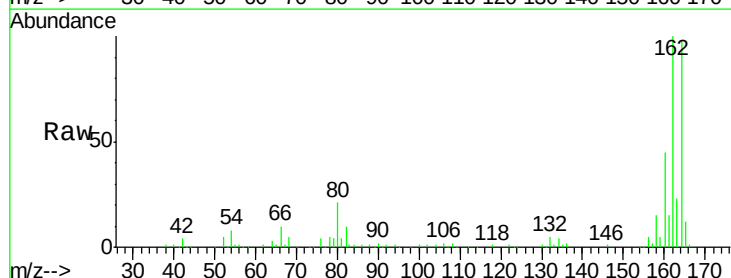
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-8BDL

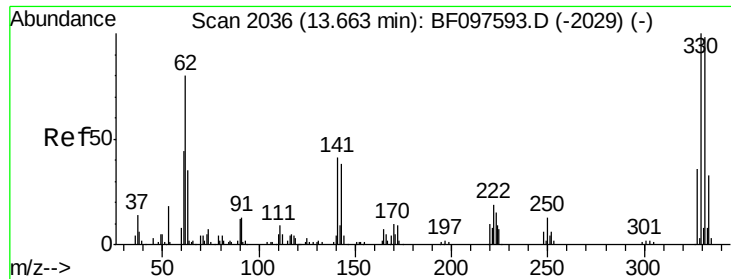
Tot Ion: 82 Resp: 118673
 Ion Ratio Lower Upper
 82 100
 128 44.1 34.0 51.0
 54 66.3 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.35 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

Tgt Ion:164 Resp: 197081
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.6 123.8
 160 46.0 36.2 54.2

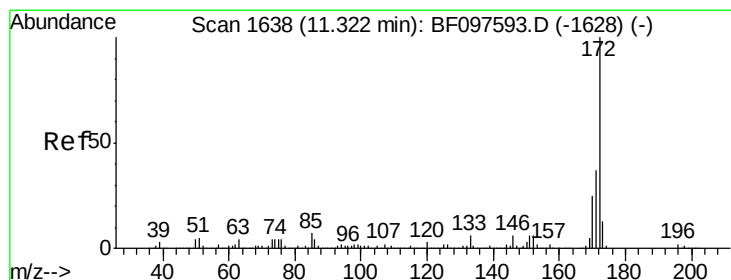
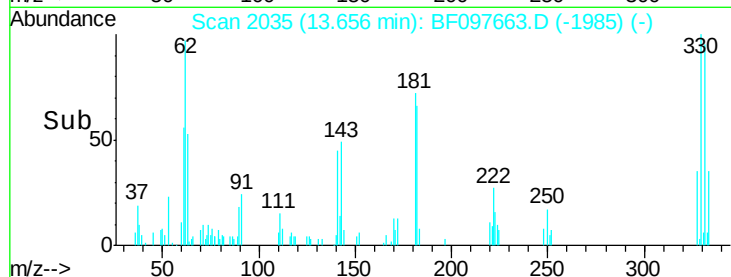
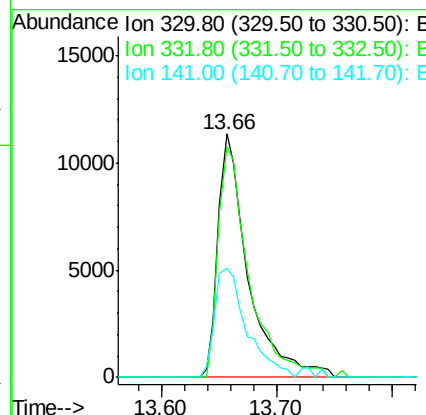
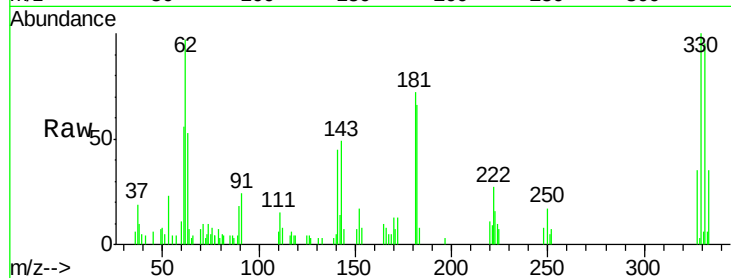




#41
 2,4,6-Tribromophenol
 Concen: 13.77 ng
 RT: 13.66 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

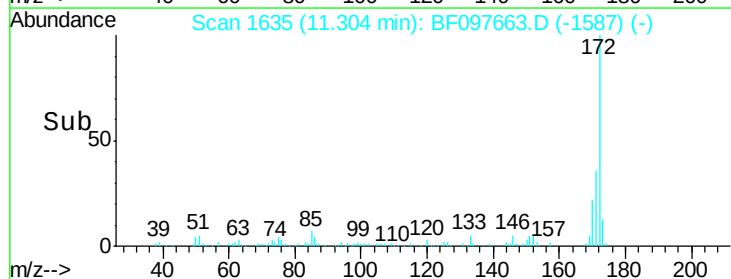
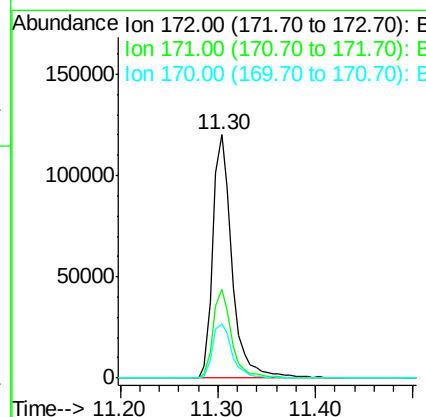
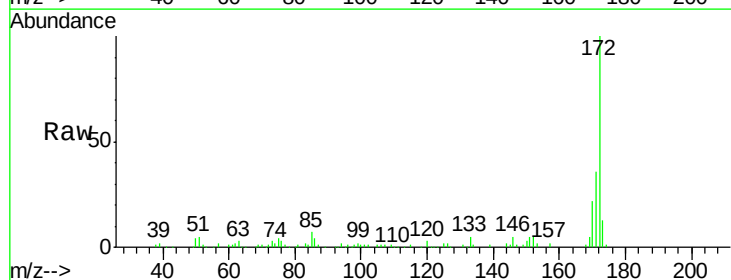
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-8BDL

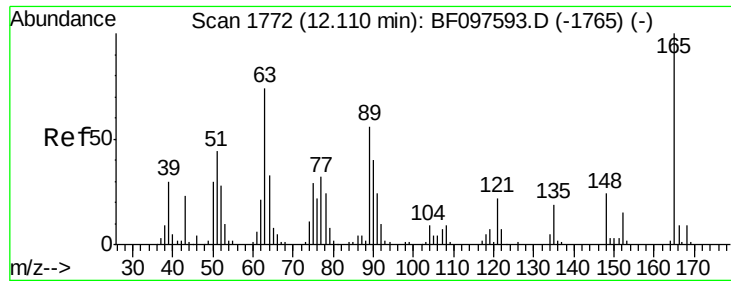
Tot Ion:330 Resp: 20623
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 47.8 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 12.55 ng
 RT: 11.30 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

Tgt Ion:172 Resp: 163931
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 22.3 19.8 29.8

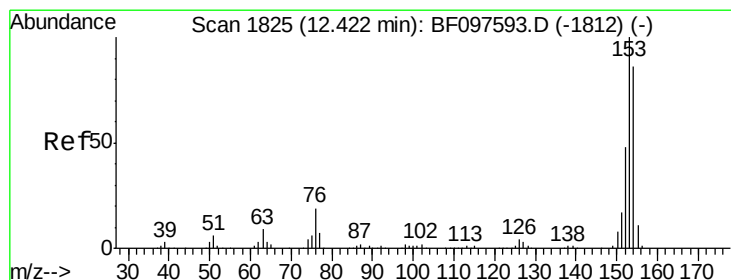
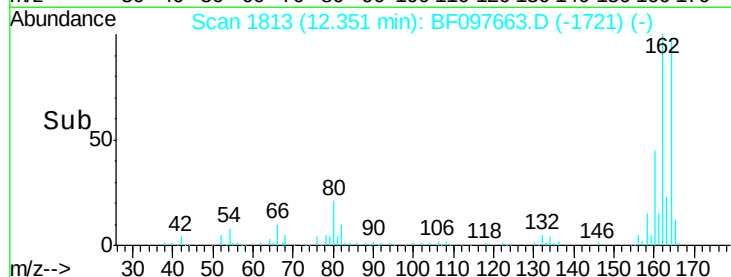
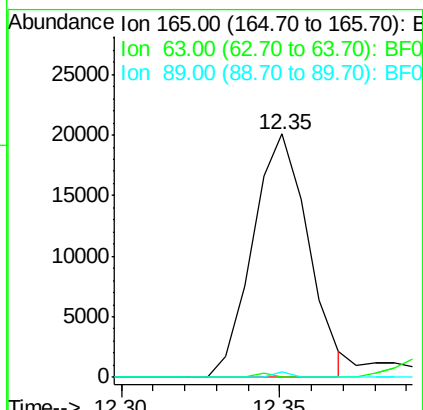
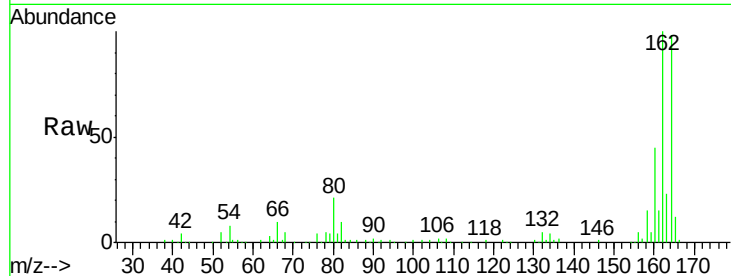




#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 12.35 min Scan# 1813
 Delta R.T. 0.24 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

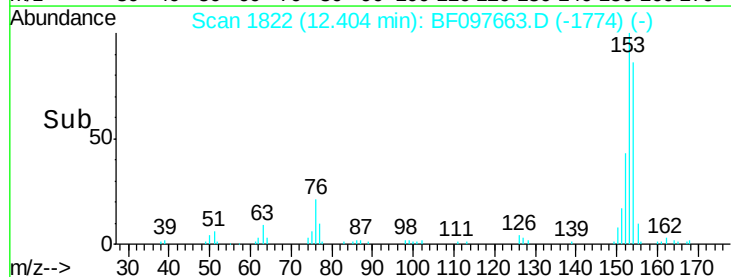
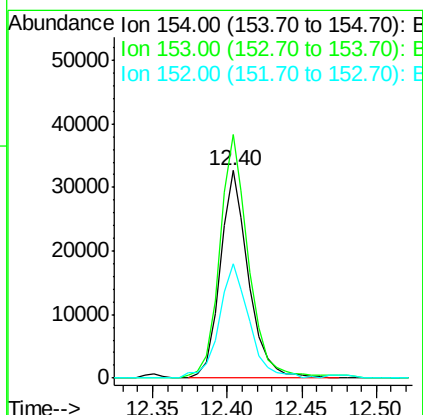
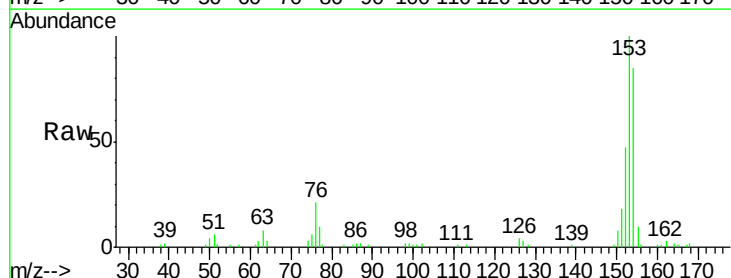
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-8BDL

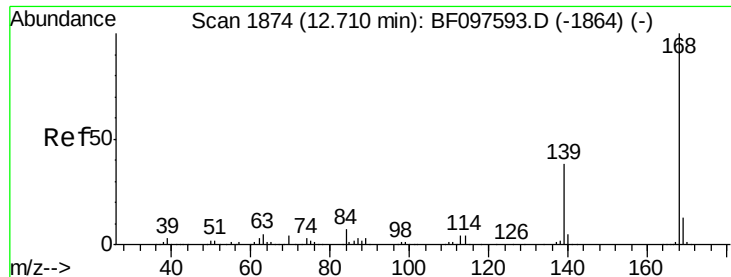
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	2.1	37.1	55.7#



#51
 Acenaphthene
 Concen: 3.50 ng
 RT: 12.40 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.4	90.5	135.7
152	55.1	43.6	65.4





#54

Dibenzenofuran

Concen: 2.90 ng

RT: 12.70 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

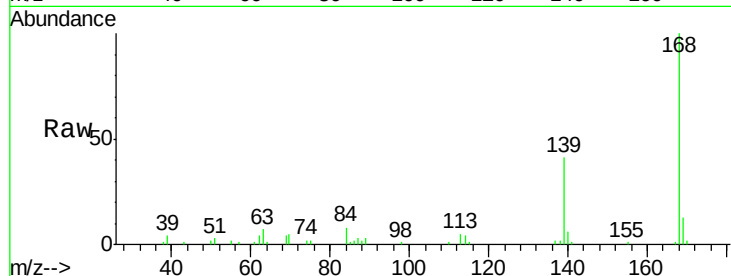
Tot Ion:168 Resp: 50227

Ion Ratio Lower Upper

168 100

139 40.8 30.6 45.8

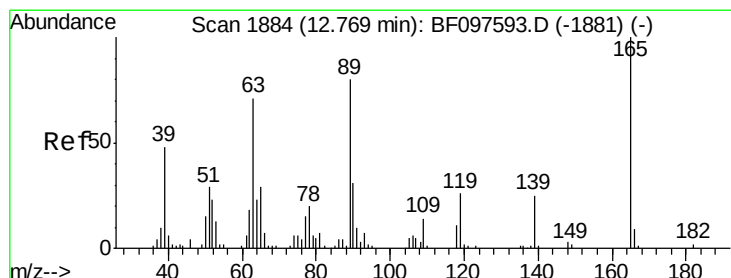
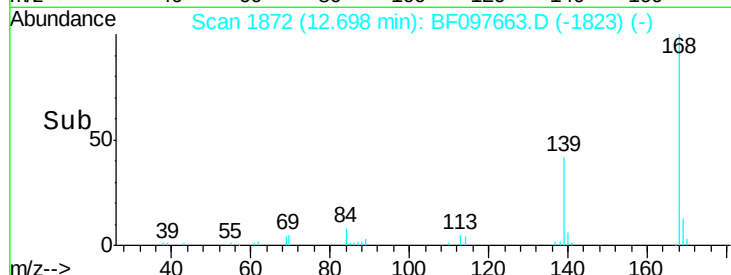
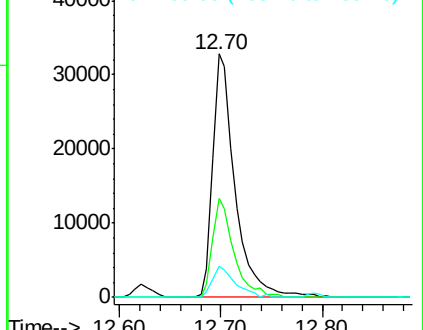
169 13.0 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 12.42 ng

RT: 12.70 min Scan# 1872

Delta R.T. -0.07 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

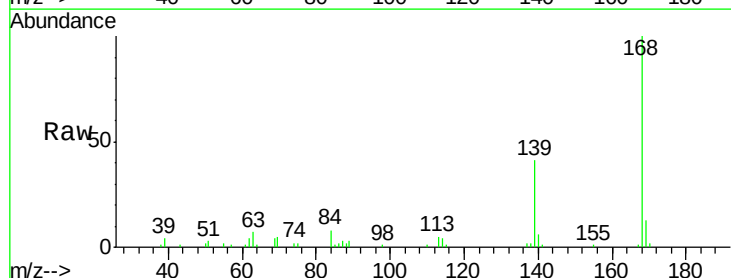
Tgt Ion:139 Resp: 19428

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

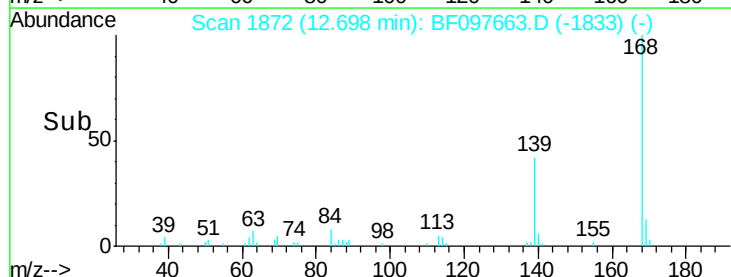
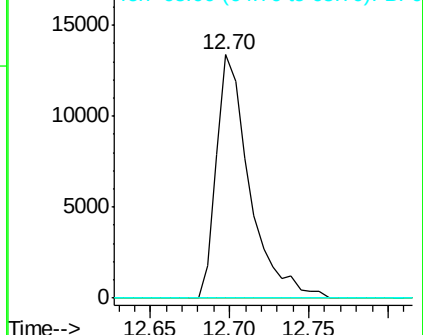
65 0.0 31.4 71.4#

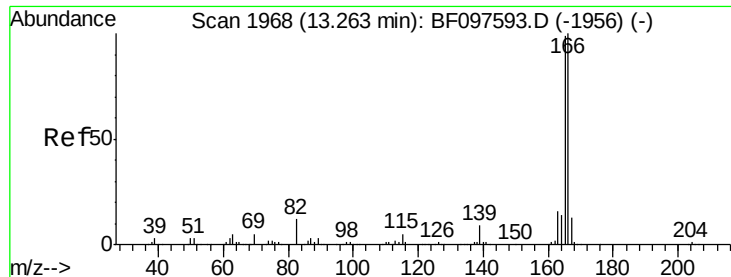


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 4.54 ng

RT: 13.24 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

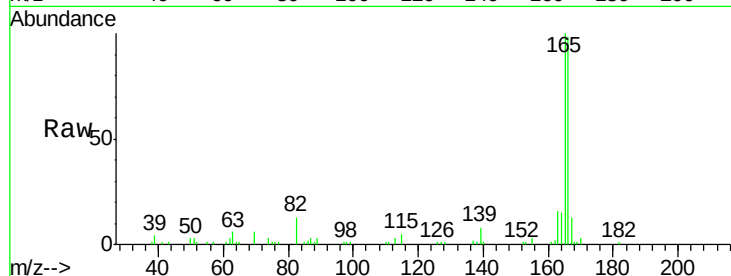
Tot Ion:166 Resp: 64595

Ion Ratio Lower Upper

166 100

165 102.1 78.8 118.2

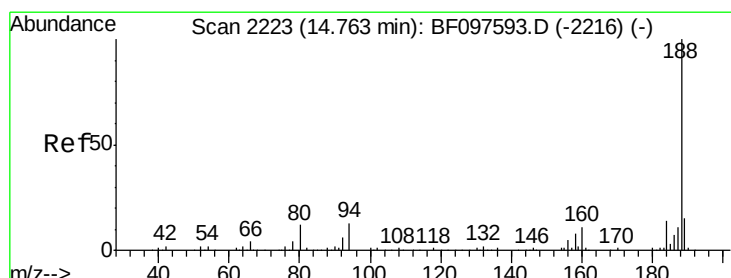
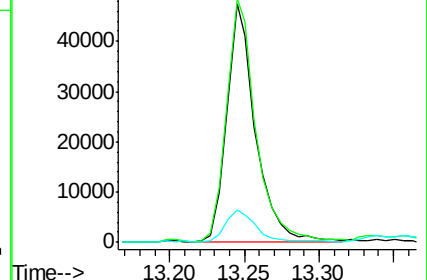
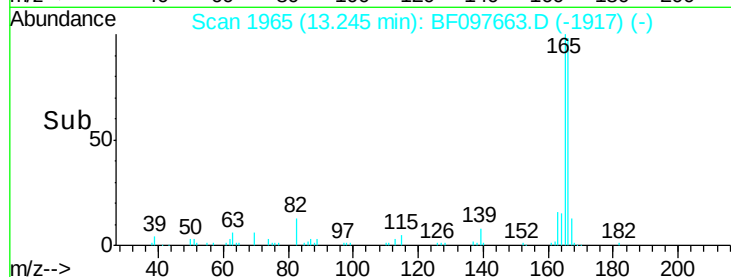
167 13.4 10.6 16.0



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: 14.75 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

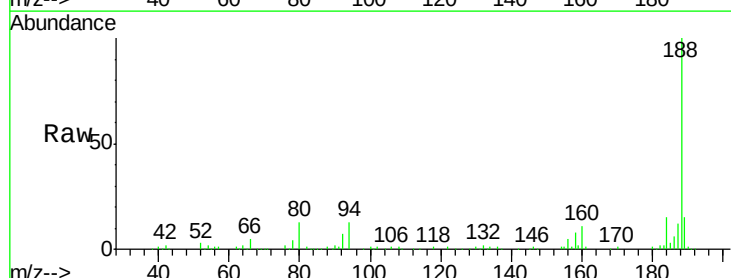
Tgt Ion:188 Resp: 281664

Ion Ratio Lower Upper

188 100

94 13.0 9.4 14.2

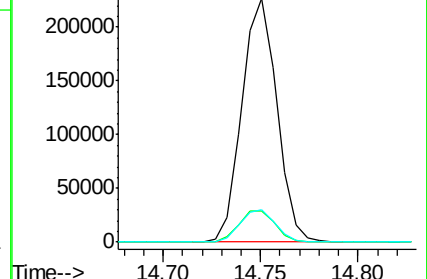
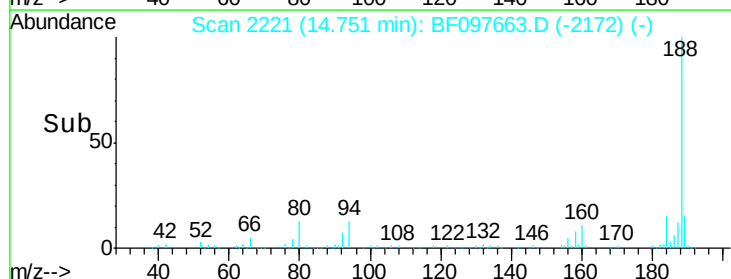
80 13.1 10.2 15.2

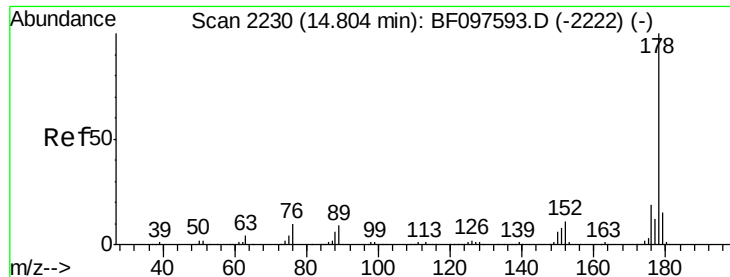


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 34.62 ng

RT: 14.79 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

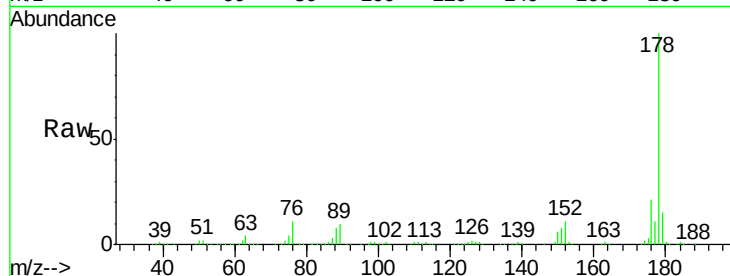
Tot Ion:178 Resp: 561638

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

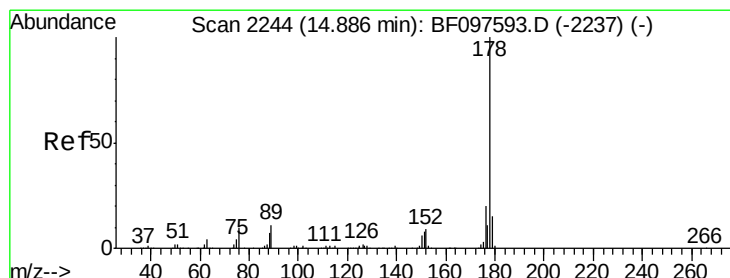
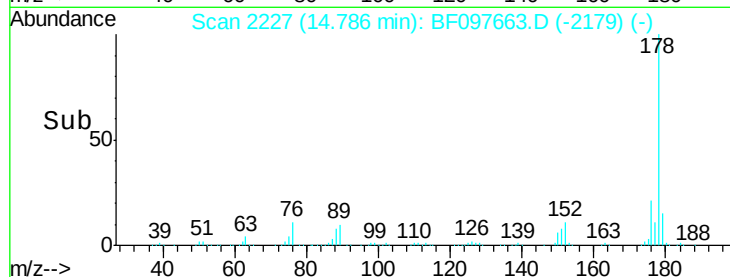
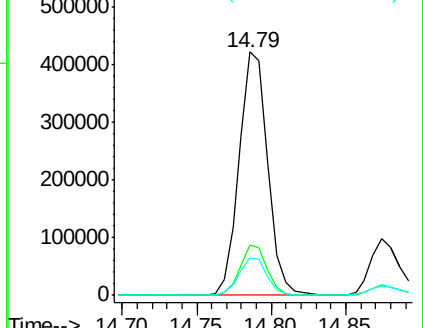
179 15.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 8.25 ng

RT: 14.87 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

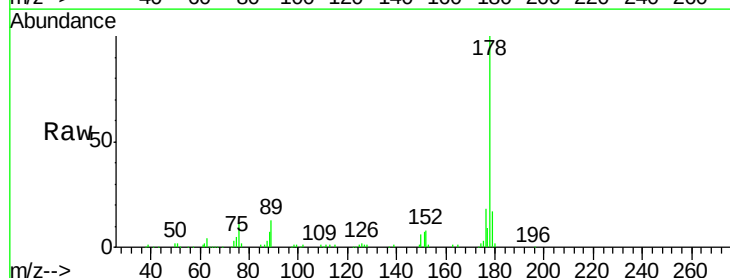
Tgt Ion:178 Resp: 137001

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

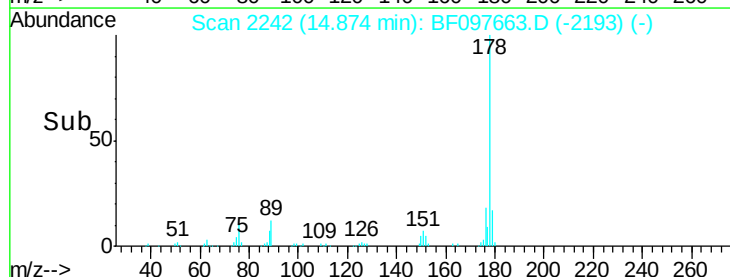
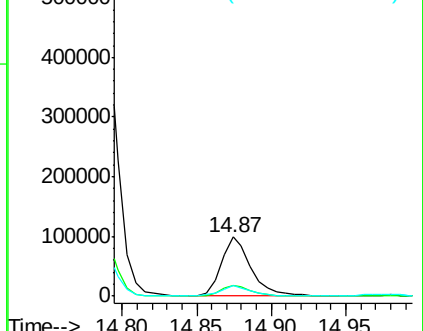
179 17.1 12.7 19.1

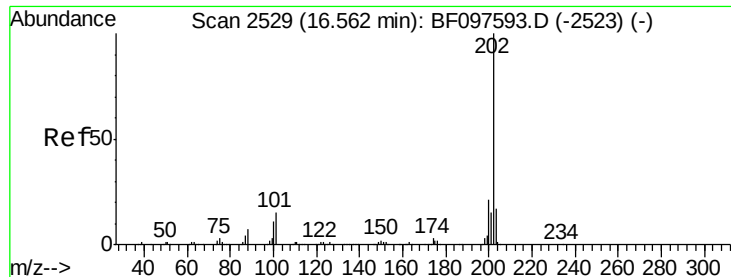


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 27.59 ng

RT: 16.55 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

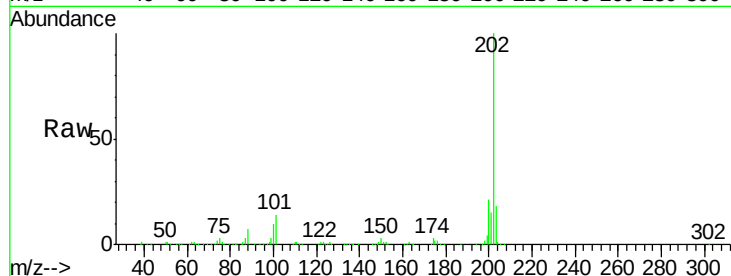
Tot Ion:202 Resp: 404381

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.2

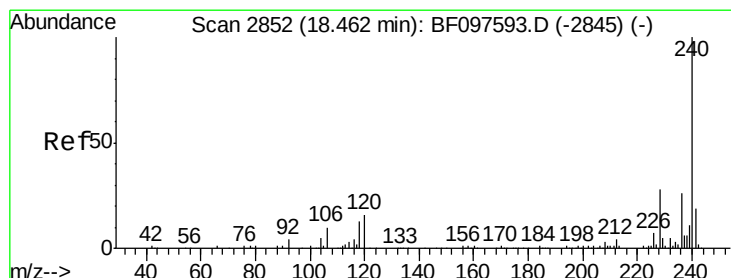
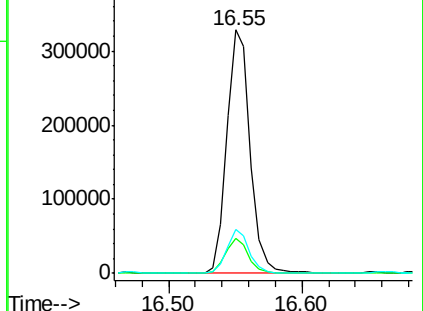
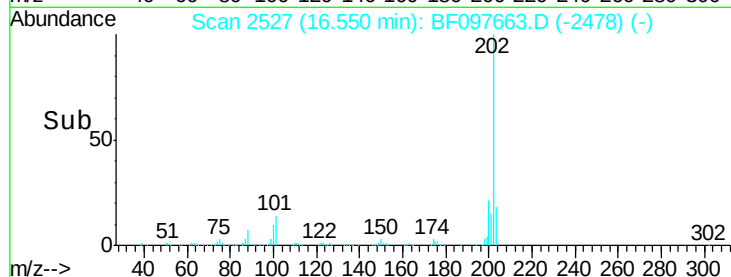
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

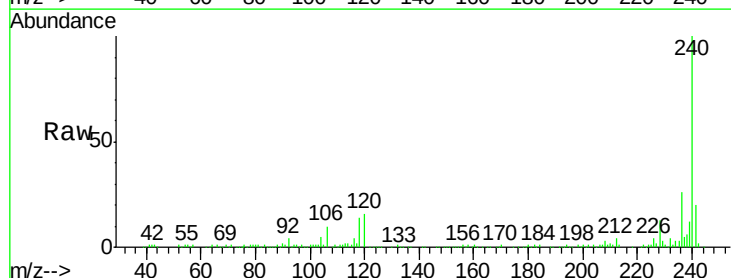
Tgt Ion:240 Resp: 202846

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

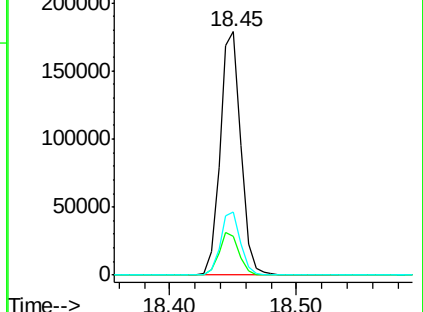
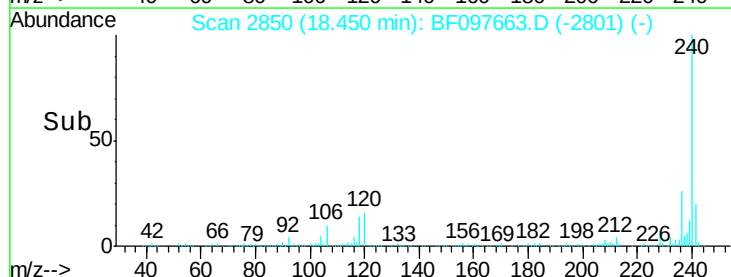
236 25.7 20.5 30.7

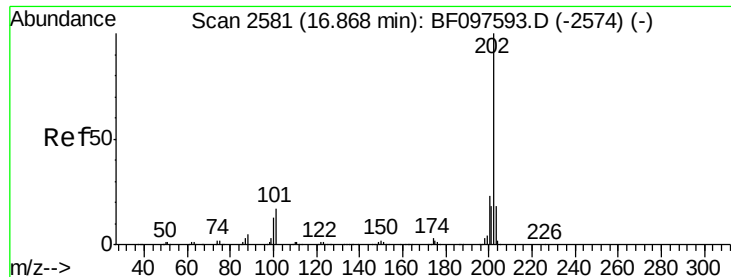


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 22.23 ng

RT: 16.86 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

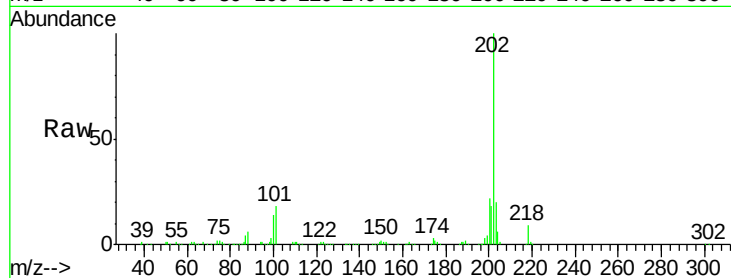
Tot Ion:202 Resp: 372949

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

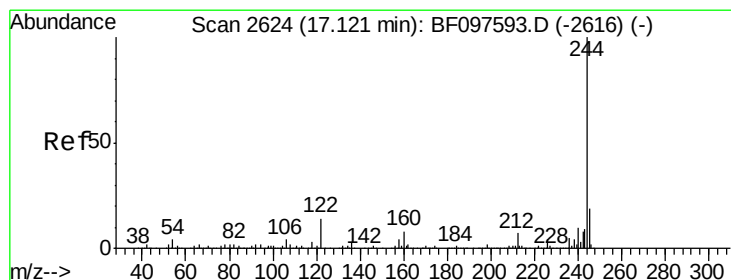
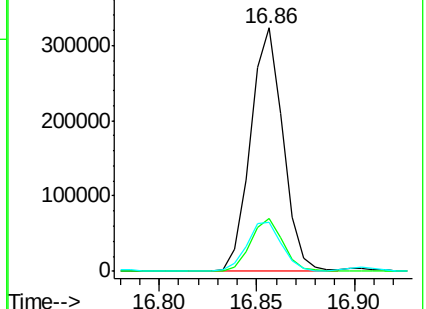
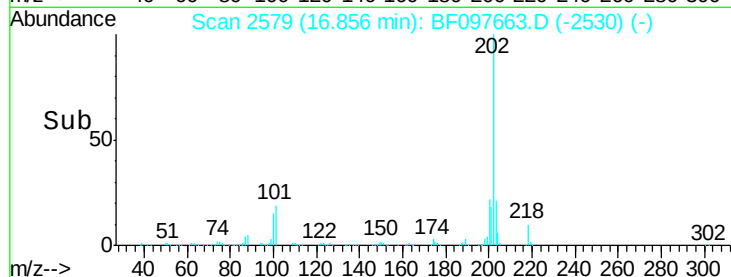
203 20.4 14.4 21.6



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: 8.86 ng

RT: 17.10 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

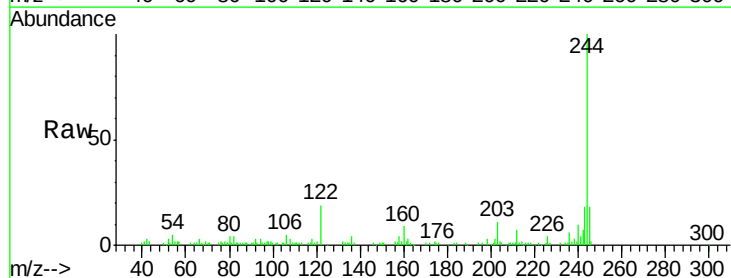
Tgt Ion:244 Resp: 86798

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

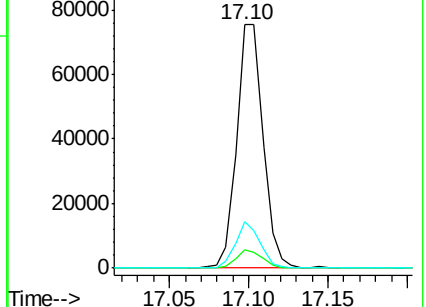
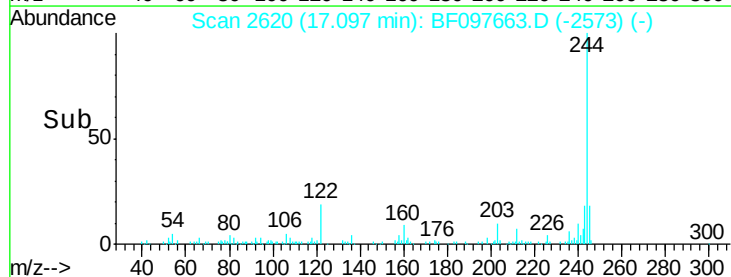
122 19.0 10.3 15.5#

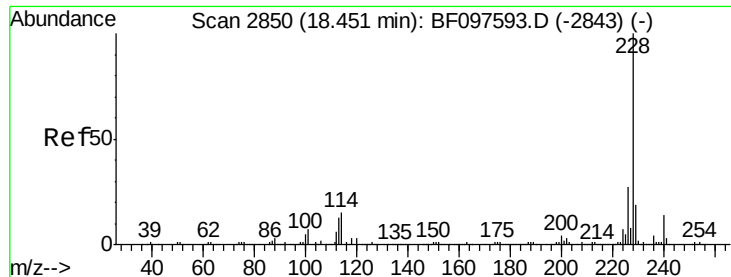


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

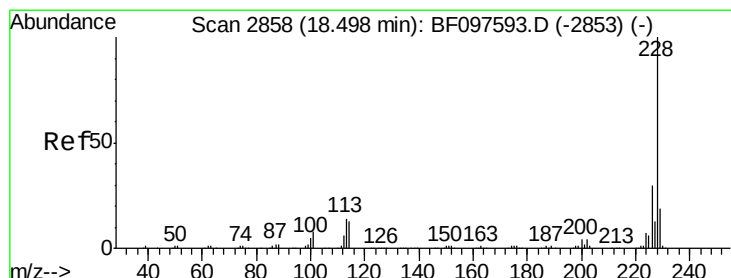
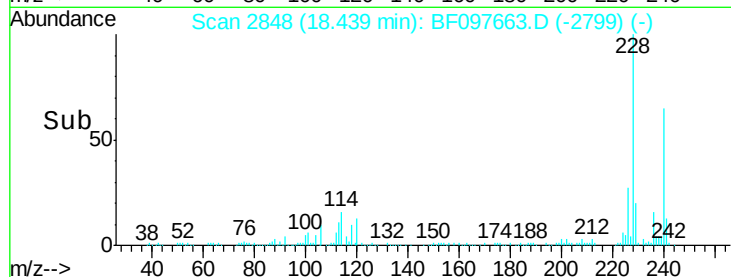
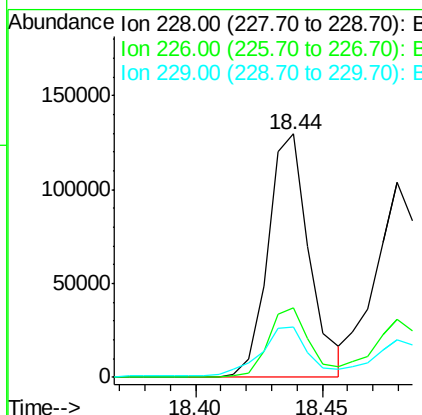
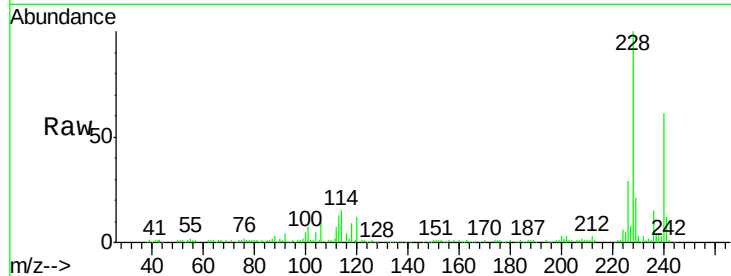




#80
Benzo(a)anthracene
Concen: 12.50 ng
RT: 18.44 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

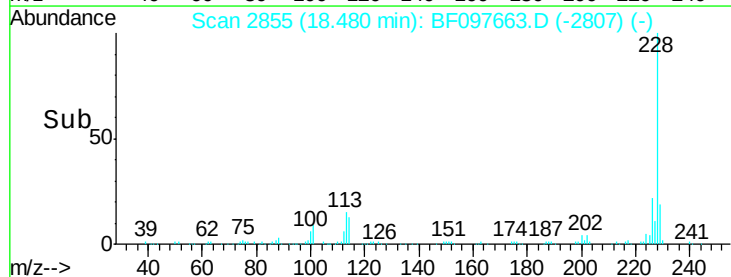
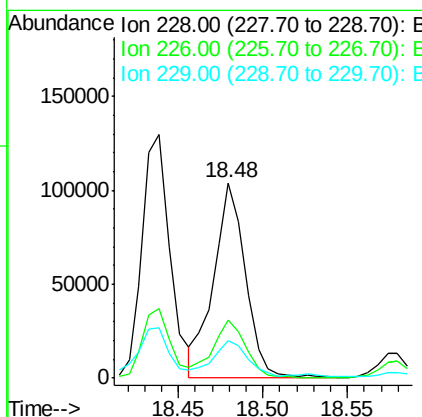
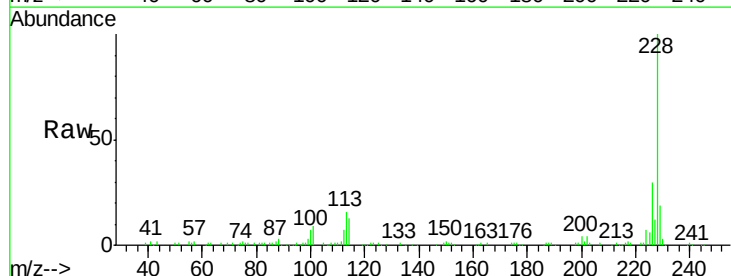
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

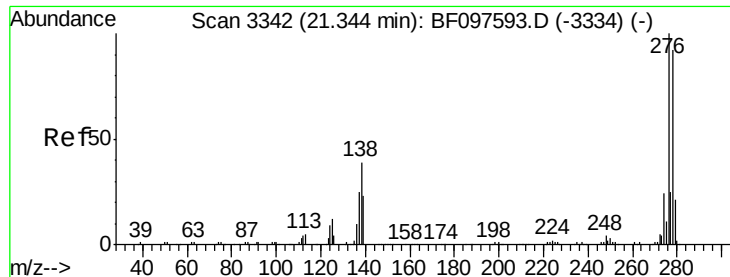
Tot Ion:228 Resp: 148108
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 20.8 16.3 24.5



#82
Chrysene
Concen: 11.60 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion:228 Resp: 136692
Ion Ratio Lower Upper
228 100
226 29.7 24.9 37.3
229 19.3 15.8 23.6

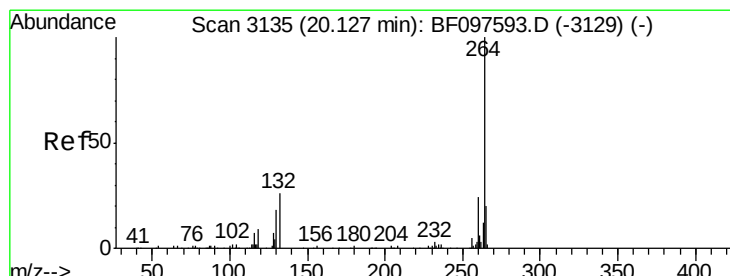
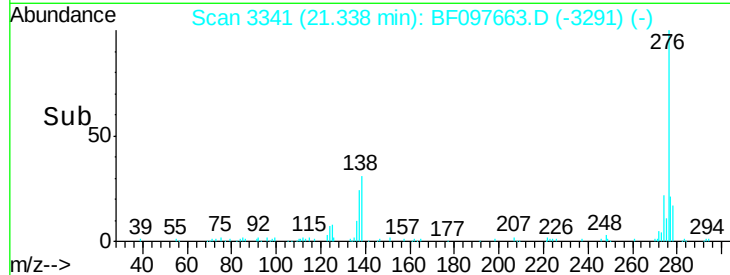
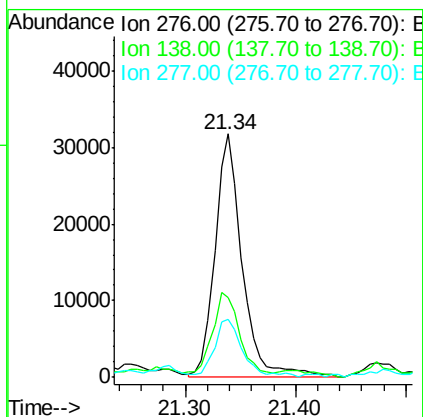
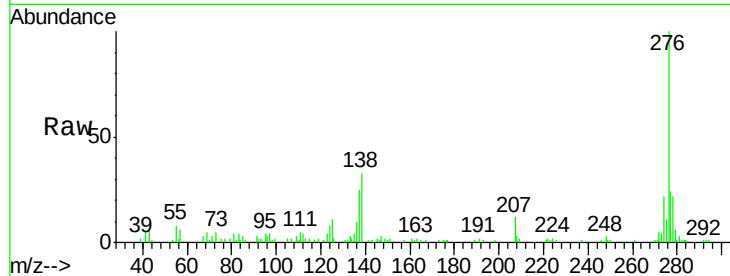




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.93 ng
RT: 21.34 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

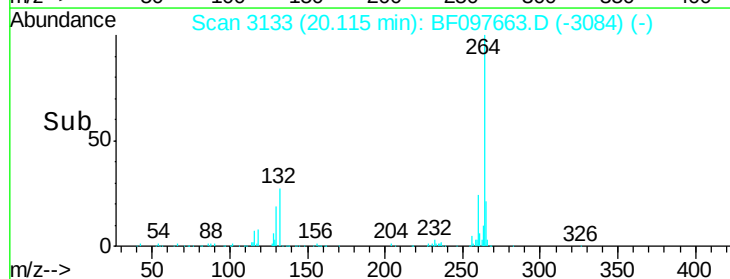
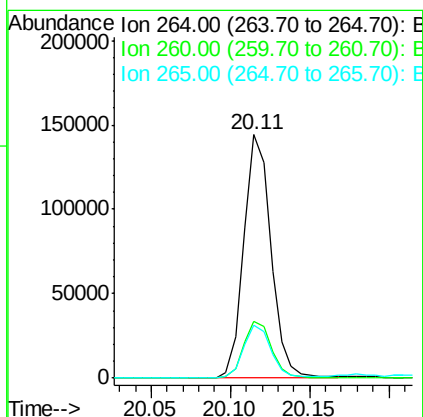
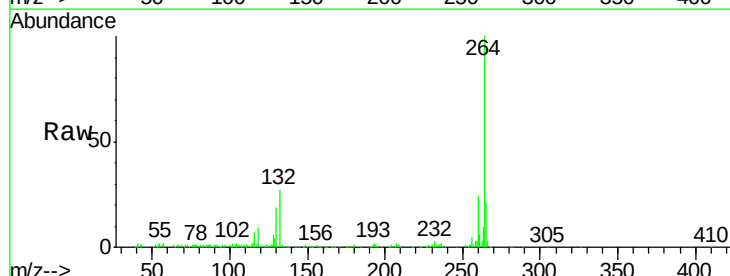
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

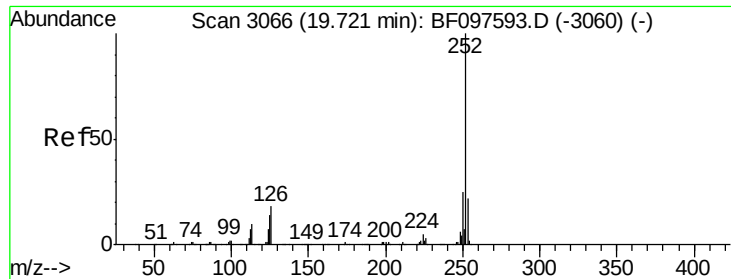
Tot Ion:276	Resp:	54321
Ion Ratio	Lower	Upper
276	100	
138	35.9	27.8 41.6
277	22.6	20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.11 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion:264	Resp:	172064
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.5 29.3
265	21.5	17.2 25.8

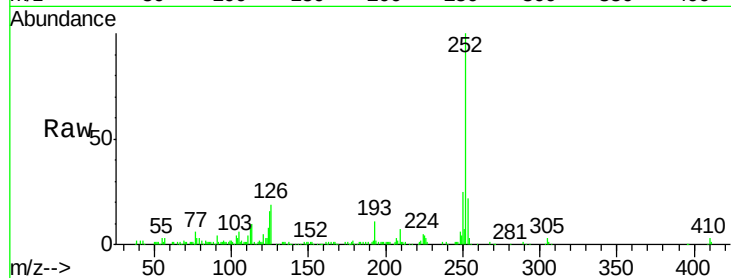




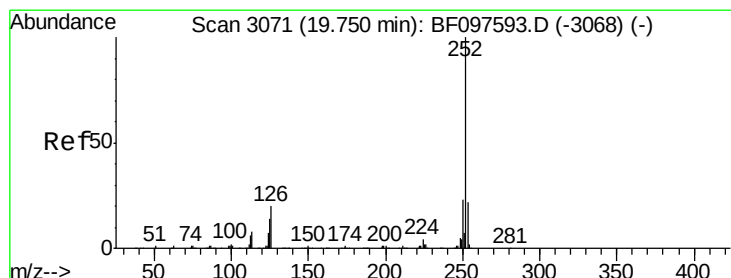
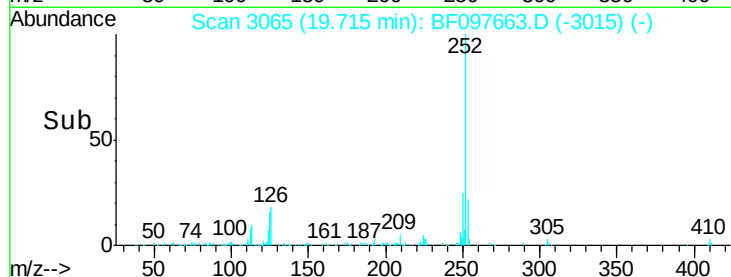
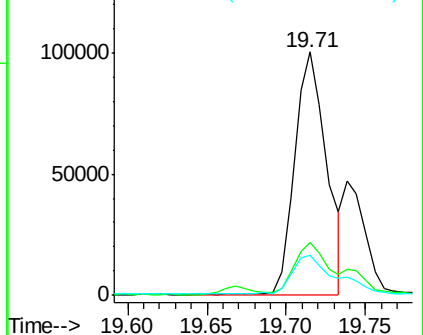
#87
Benzo(b)fluoranthene
Concen: 13.49 ng
RT: 19.71 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	16.3	9.8	14.8#

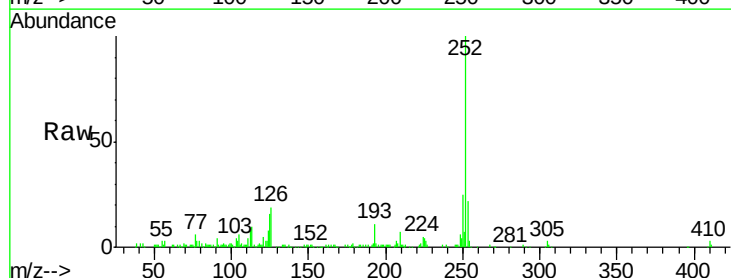


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

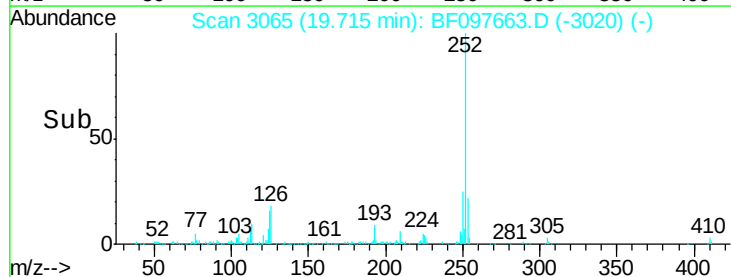
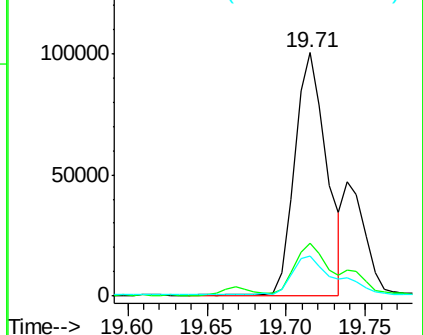


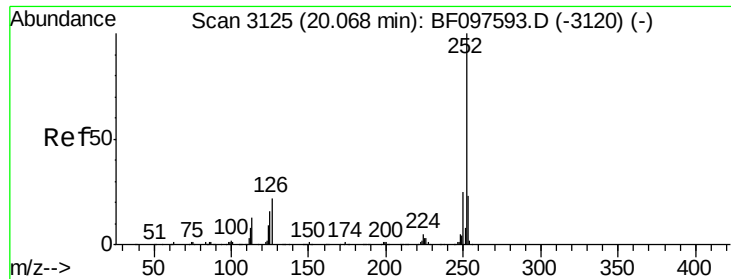
#88
Benzo(k)fluoranthene
Concen: 13.39 ng
RT: 19.71 min Scan# 3065
Delta R.T. -0.04 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	16.3	13.1	19.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

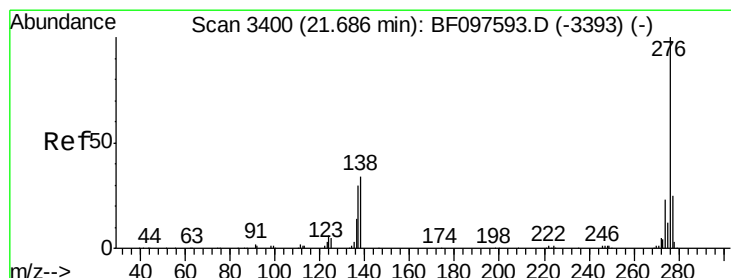
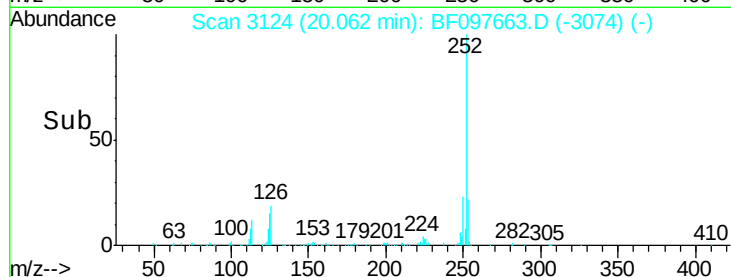
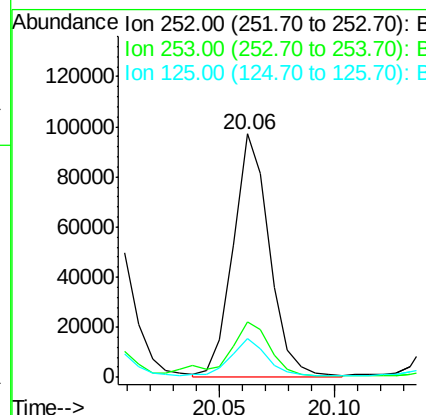
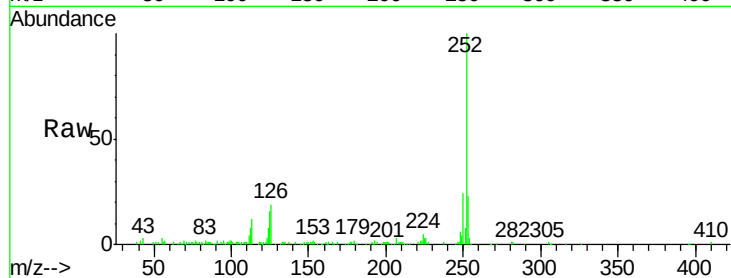




#89
Benzo(a)pyrene
Concen: 11.23 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	15.7	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 6.61 ng
RT: 21.69 min Scan# 3400
Delta R.T. 0.00 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	36.5	25.4	38.0

