

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098989.D
 Acq On : 1 Oct 2017 13:53
 Operator : SJ/JU
 Sample : I5563-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-1DL

Quant Time: Oct 02 00:53:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	127346	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	516133	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	216794	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	324877	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	228768	20.00	ng	-0.02
86) Perylene-d12	15.56	264	246090	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	89928	11.24	ng	-0.03
7) Phenol-d6	6.52	99	109680	11.11	ng	-0.03
23) Nitrobenzene-d5	7.46	82	63807	7.93	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	15471	8.72	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	124180	9.56	ng	-0.02
78) Terphenyl-d14	13.01	244	78046	7.76	ng	-0.02

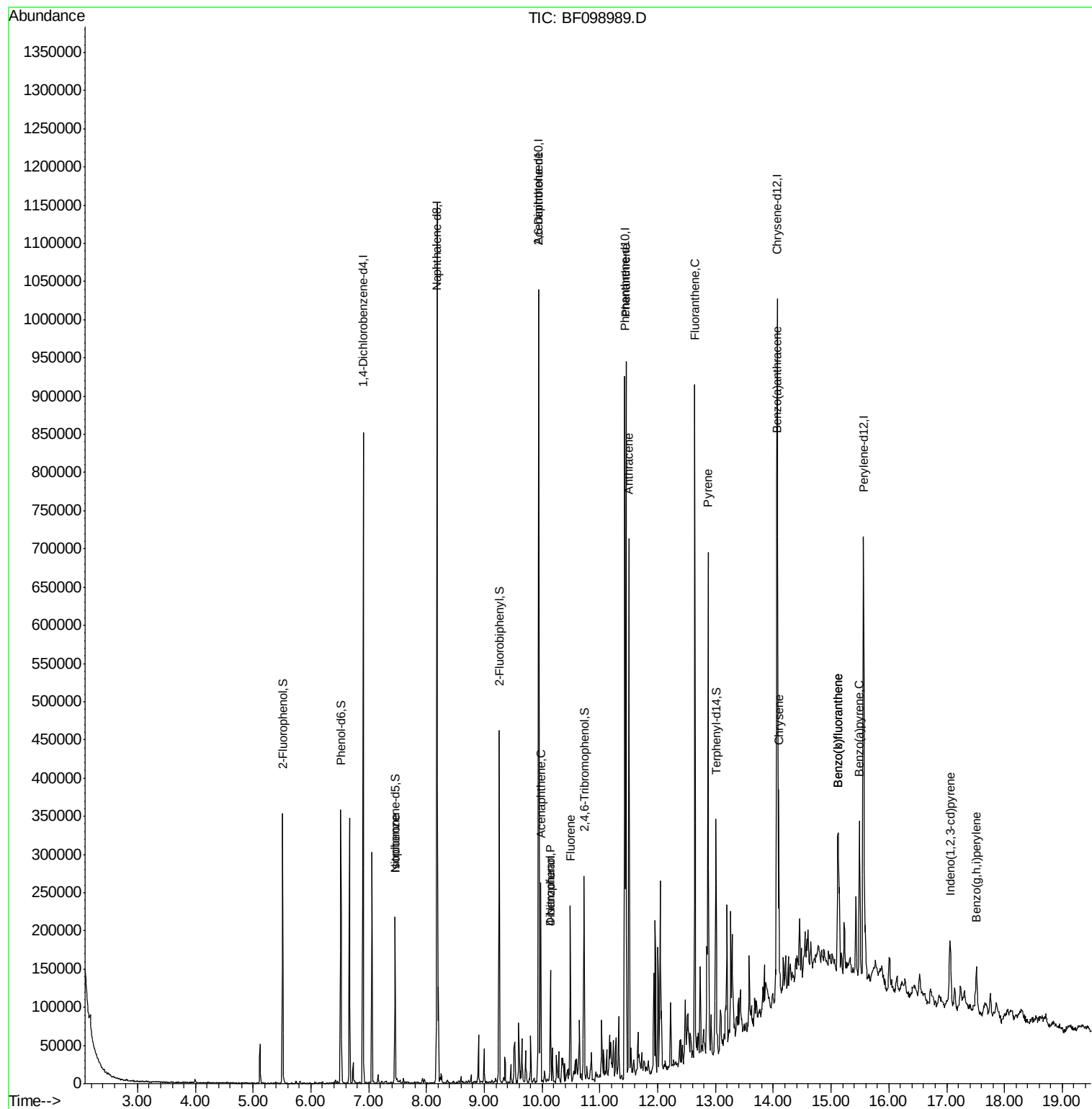
Target Compounds						Qvalue
25) Isophorone	7.46	82	63394	3.81	ng	# 64
50) 2,6-Dinitrotoluene	9.94	165	28974	8.13	ng	# 25
51) Acenaphthene	9.97	154	48197	3.55	ng	99
54) Dibenzofuran	10.14	168	44579	2.47	ng	99
55) 4-Nitrophenol	10.14	139	16538	4.71	ng	# 10
57) Fluorene	10.49	166	62172	4.28	ng	99
70) Phenanthrene	11.46	178	343152	19.73	ng	98
71) Anthracene	11.50	178	244623	13.75	ng	99
74) Fluoranthene	12.64	202	316559	17.98	ng	98
77) Pyrene	12.87	202	245212	14.06	ng	99
80) Benzo(a)anthracene	14.06	228	120538	8.70	ng	96
82) Chrysene	14.09	228	96459	7.31	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	44669	4.23	ng	94
87) Benzo(b)fluoranthene	15.12	252	144056	9.52	ng	# 91
88) Benzo(k)fluoranthene	15.12	252	144056	9.64	ng	# 94
89) Benzo(a)pyrene	15.49	252	87183	6.28	ng	# 95
91) Benzo(a,h,i)perylene	17.52	276	39780	3.62	ng	95

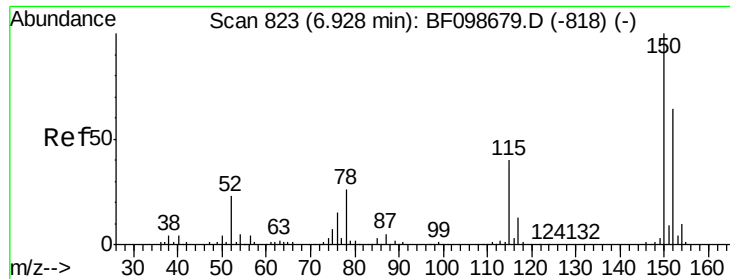
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-1DL

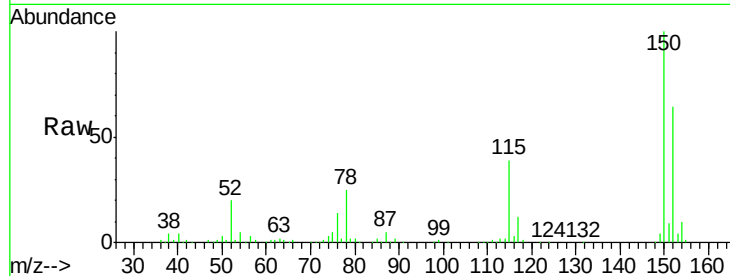
Tot Ion:152 Resp: 127346

Ion Ratio Lower Upper

152 100

150 155.1 124.6 186.8

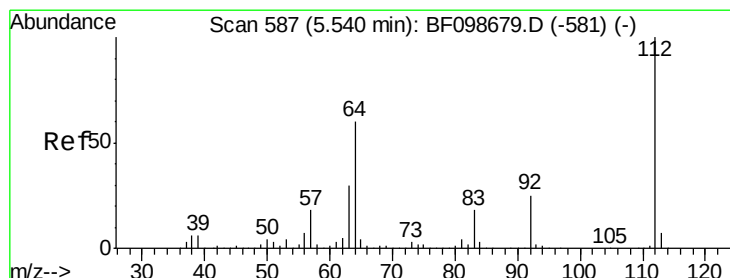
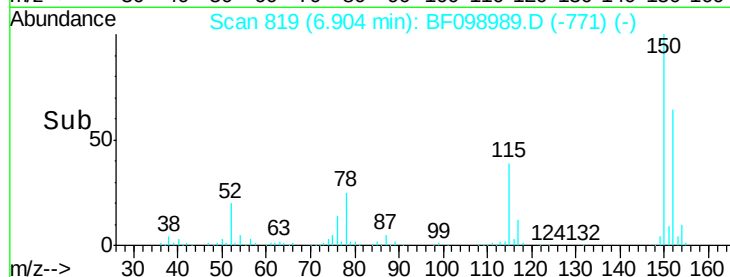
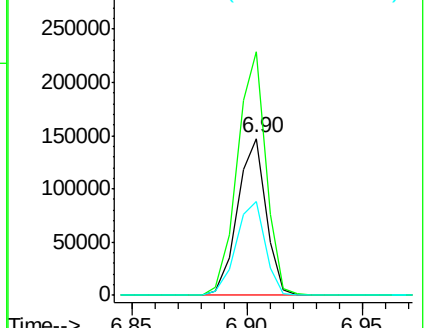
115 59.9 50.1 75.1



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: 11.24 ng

RT: 5.51 min Scan# 582

Delta R.T. -0.03 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

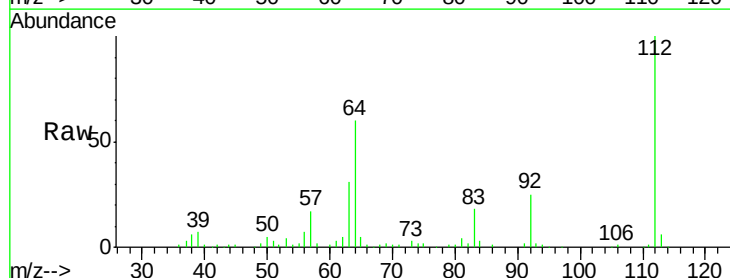
Tgt Ion:112 Resp: 89928

Ion Ratio Lower Upper

112 100

64 59.6 47.9 71.9

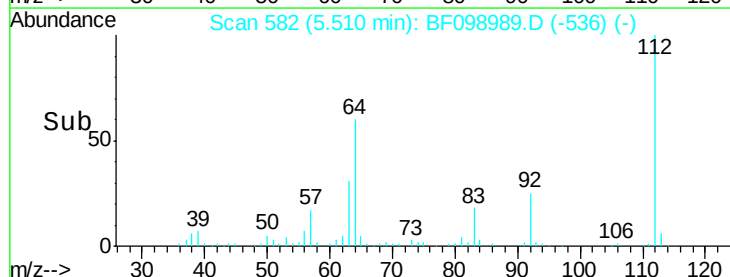
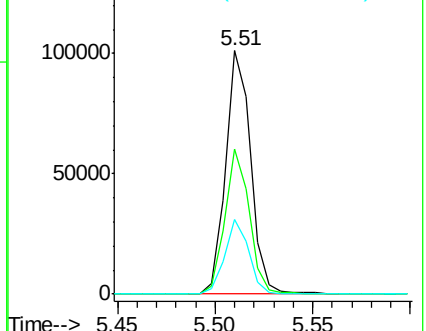
63 30.6 23.7 35.5

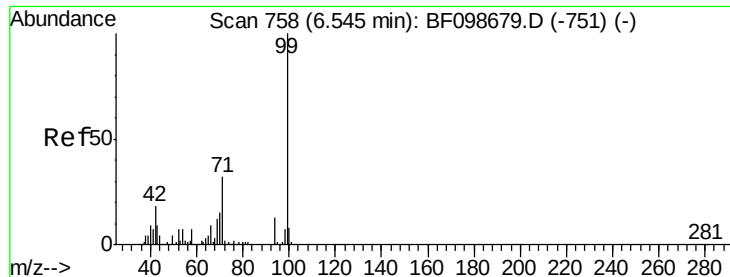


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.11 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-1DL

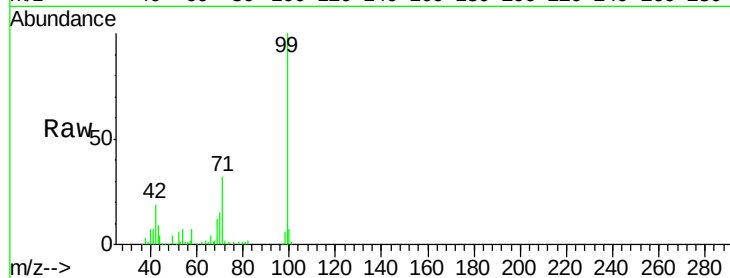
Tot Ion: 99 Resp: 109680

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

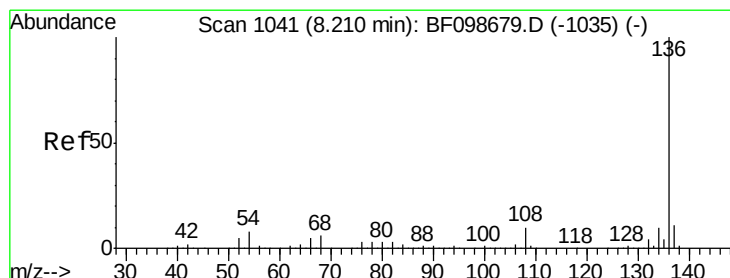
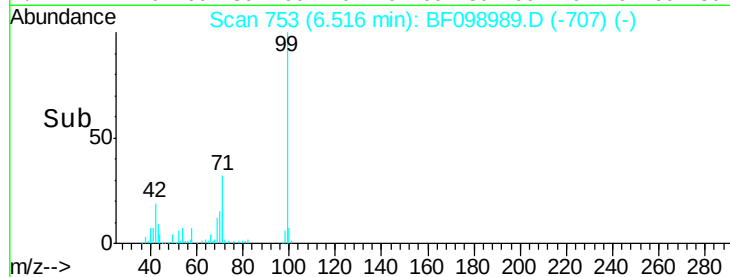
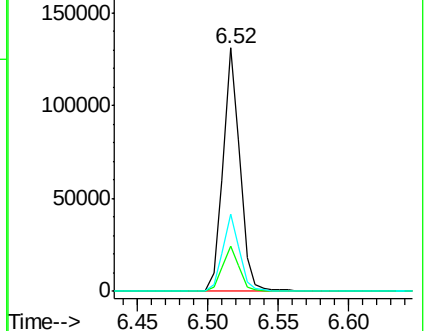
71 31.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Tgt Ion: 136 Resp: 516133

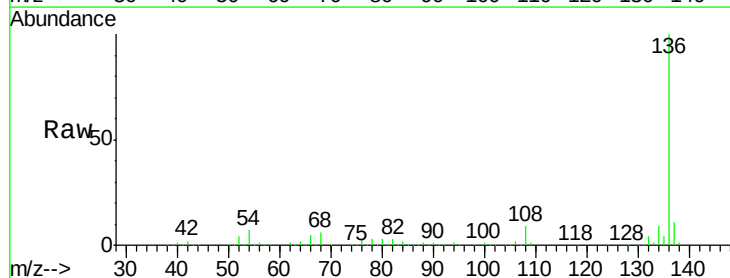
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.4 6.6 9.8

68 5.6 5.0 7.4

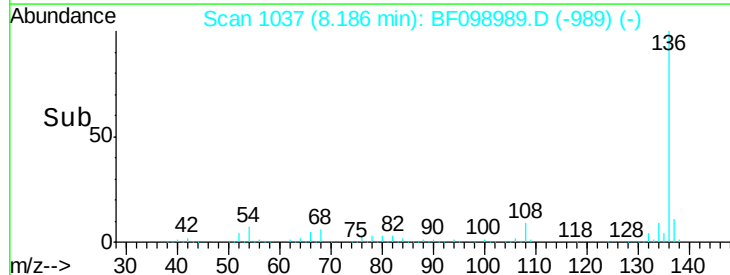
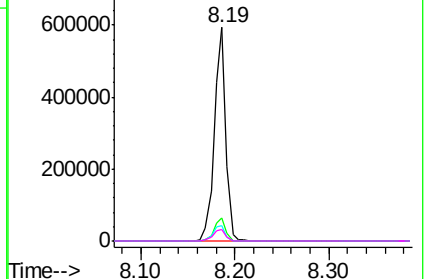


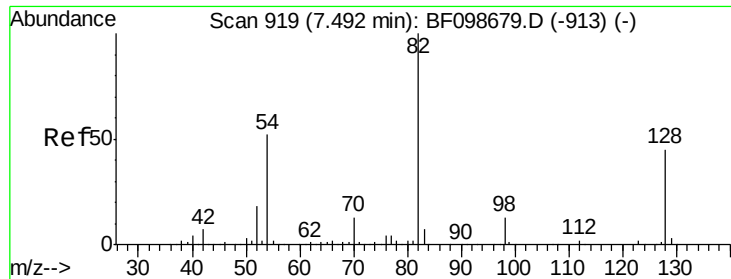
Abundance Ion 136.00 (135.70 to 136.70): E

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

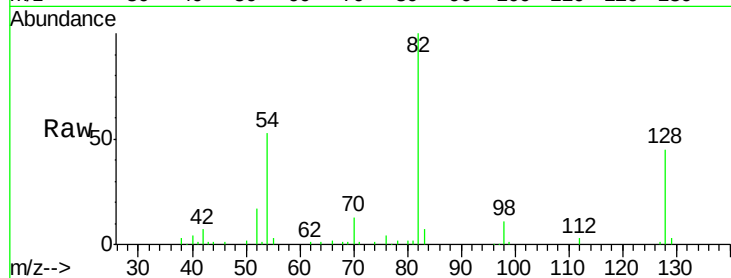




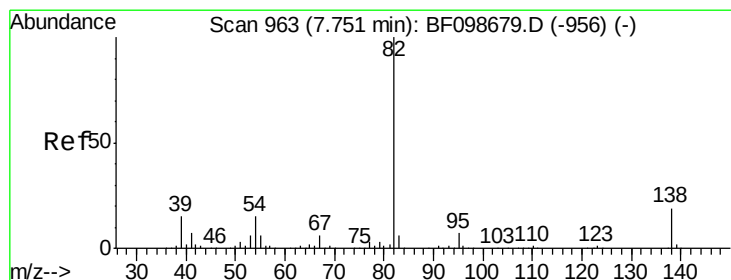
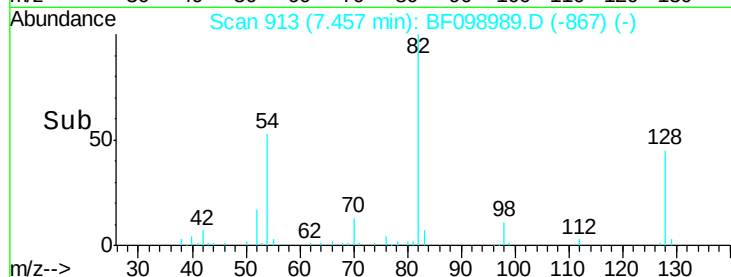
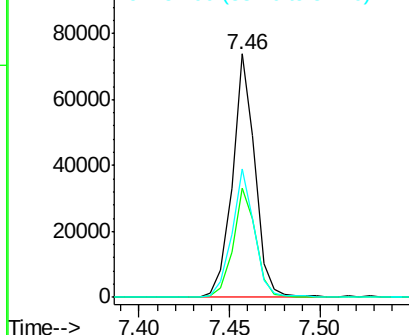
#23
Nitrobenzene-d5
Concen: 7.93 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.03 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-1DL

Tot Ion	82	Resp	63807
Ion Ratio	100	Lower	Upper
128	44.7	36.1	54.1
54	52.5	41.4	62.2

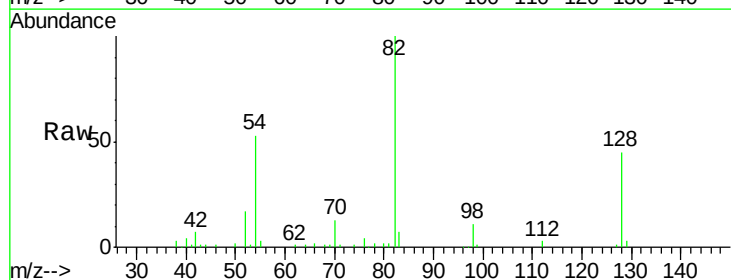


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

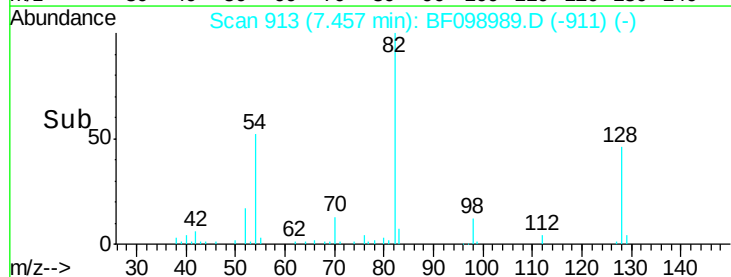
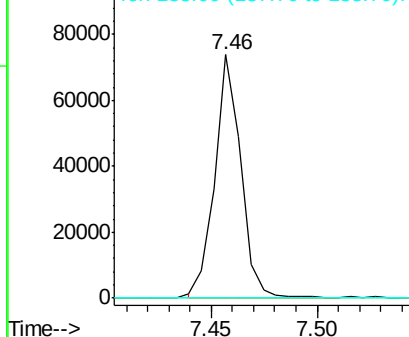


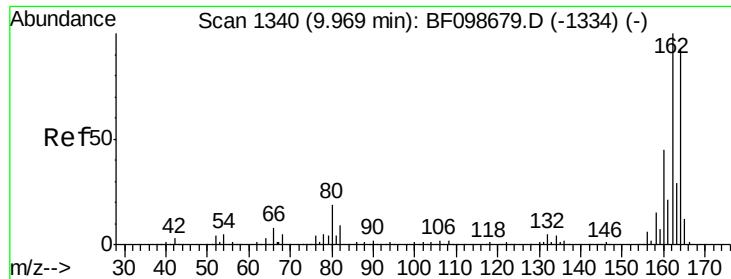
#25
Isophorone
Concen: 3.81 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.29 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Tgt Ion	82	Resp	63394
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

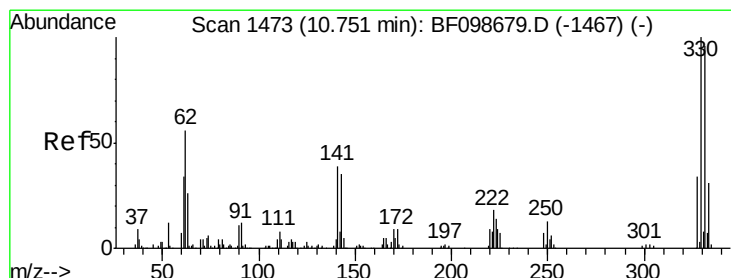
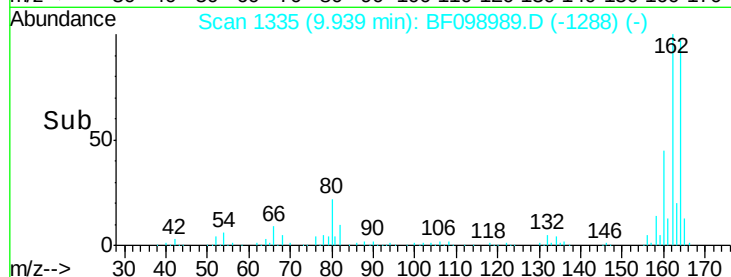
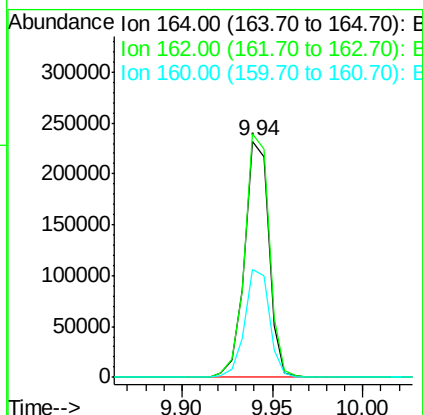
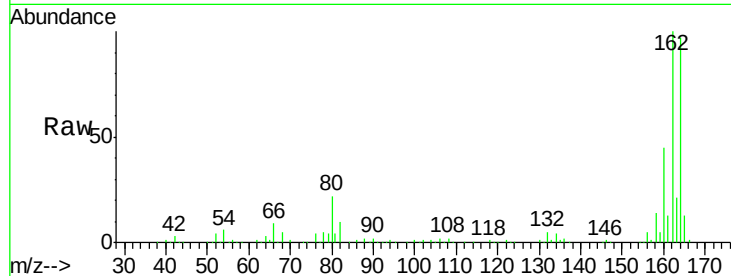




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: BF098989.D
 Acq: 1 Oct 2017 13:53

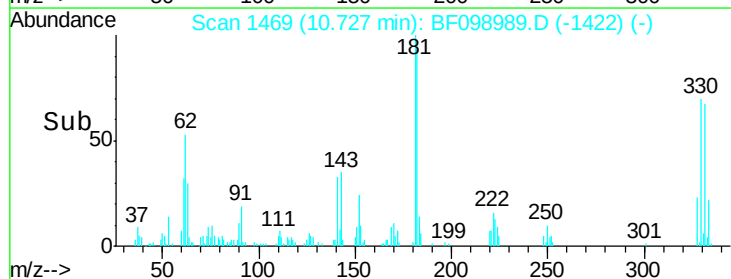
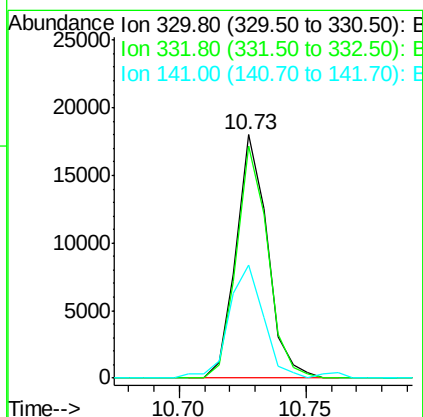
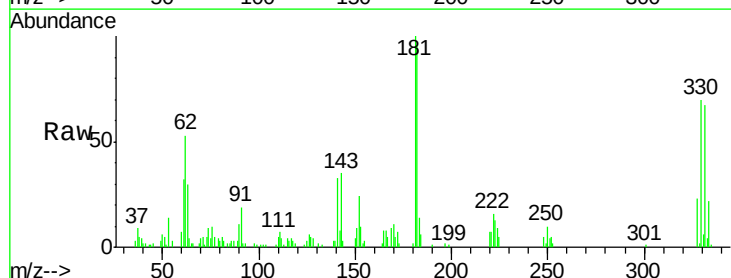
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-1DL

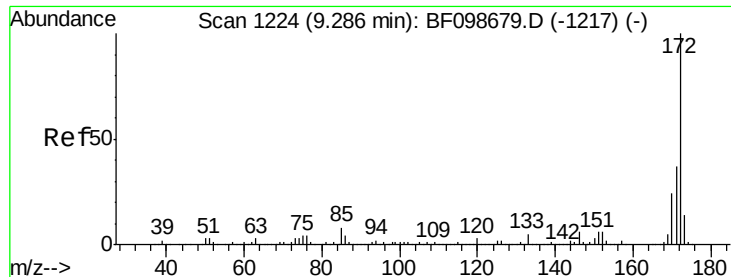
Tot Ion:164 Resp: 216794
 Ion Ratio Lower Upper
 164 100
 162 103.0 86.1 129.1
 160 45.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 8.72 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF098989.D
 Acq: 1 Oct 2017 13:53

Tgt Ion:330 Resp: 15471
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 50.7 29.9 44.9#

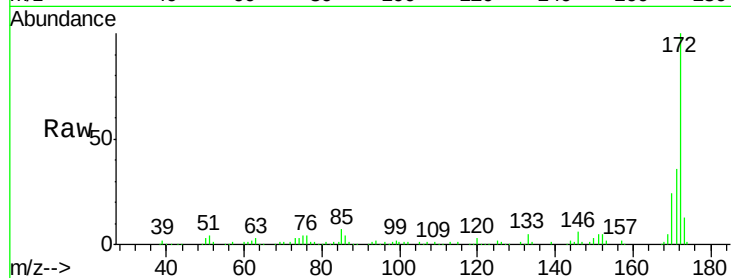




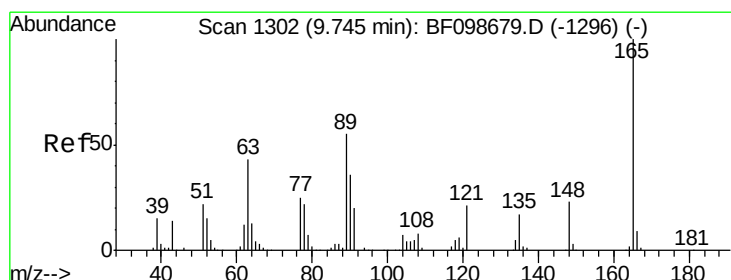
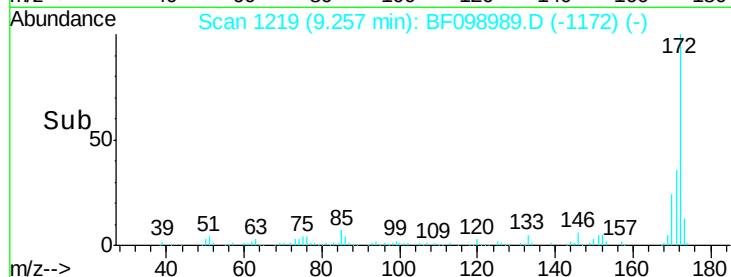
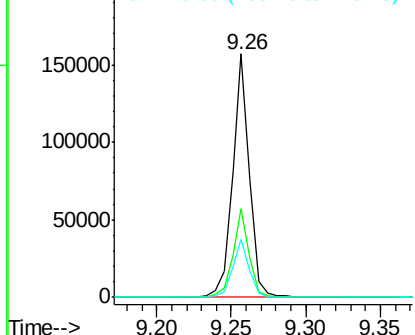
#44
2-Fluorobiphenyl
Concen: 9.56 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-1DL

Tot Ion:172 Resp: 124180
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 23.6 19.6 29.4

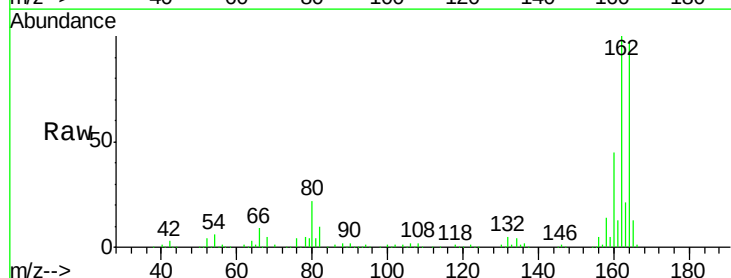


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

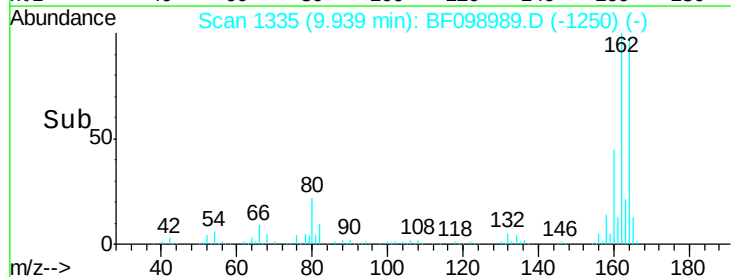
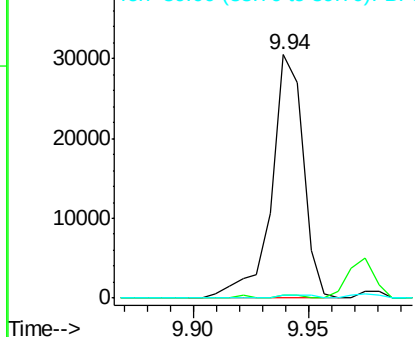


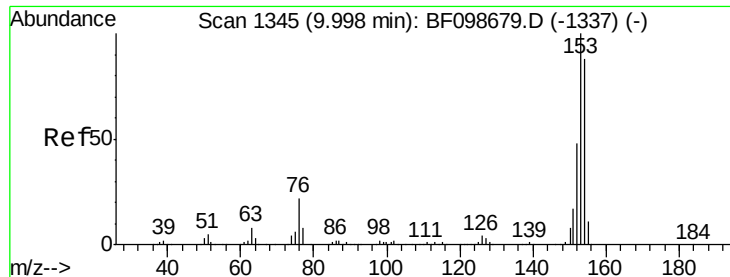
#50
2,6-Dinitrotoluene
Concen: 8.13 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.20 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Tgt Ion:165 Resp: 28974
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.2 44.0 66.0#



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





#51

Acenaphthene

Concen: 3.55 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-1DL

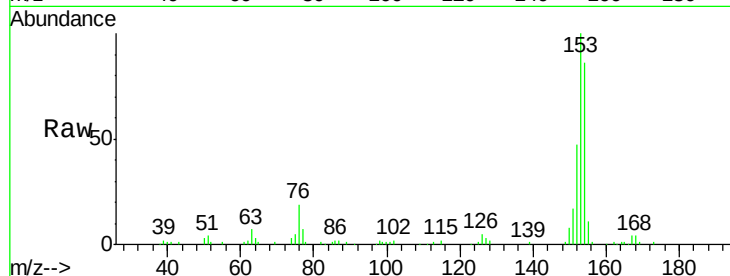
Tot Ion:154 Resp: 48197

Ion Ratio Lower Upper

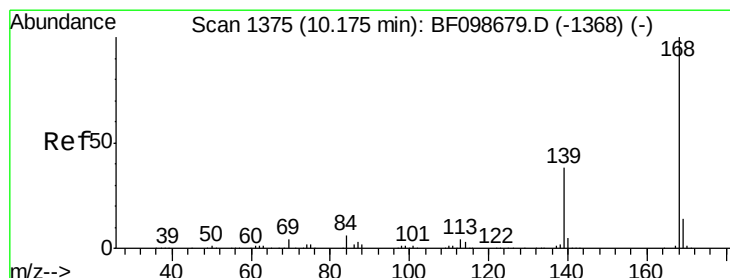
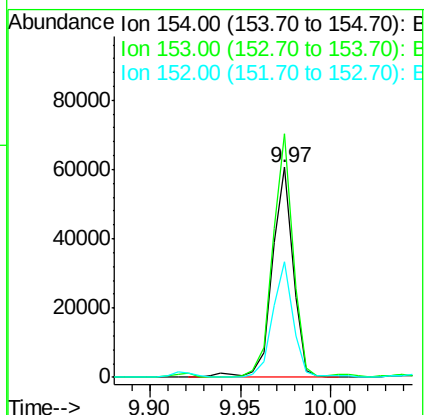
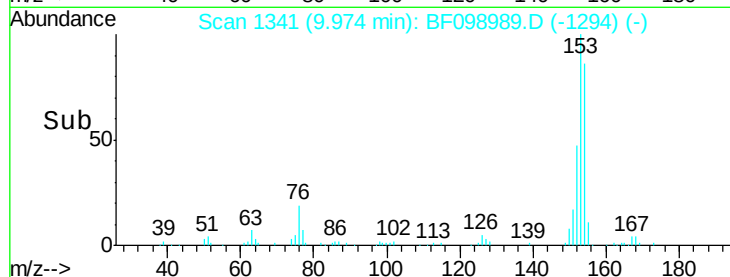
154 100

153 115.9 91.2 136.8

152 55.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.47 ng

RT: 10.14 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

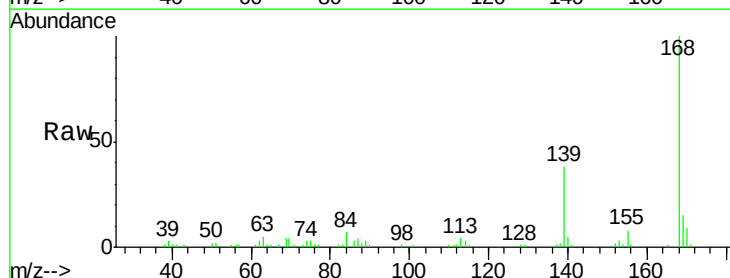
Tgt Ion:168 Resp: 44579

Ion Ratio Lower Upper

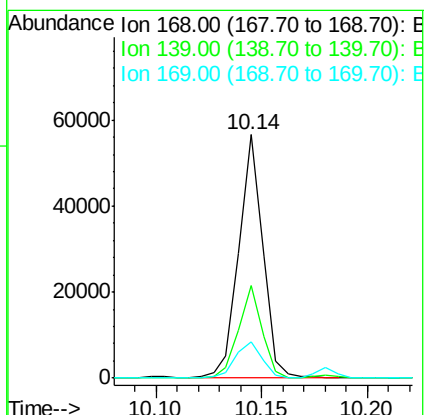
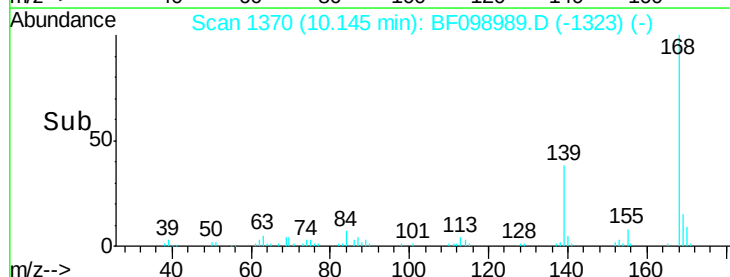
168 100

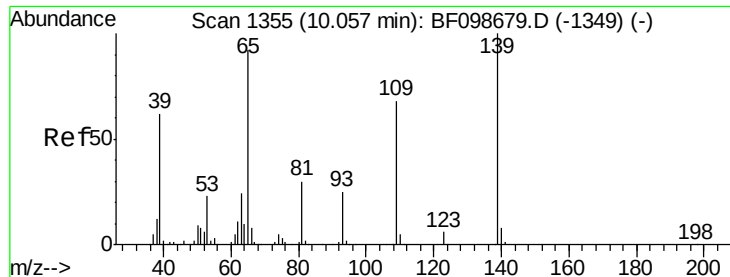
139 38.0 30.1 45.1

169 15.1 10.9 16.3



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

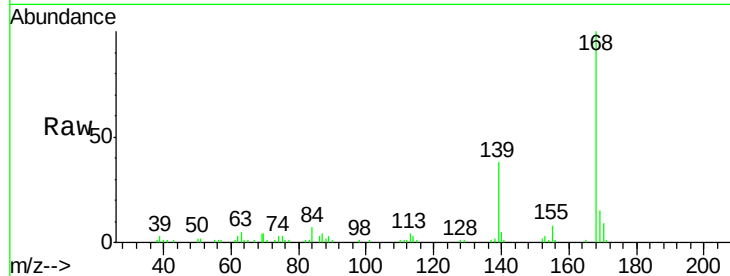




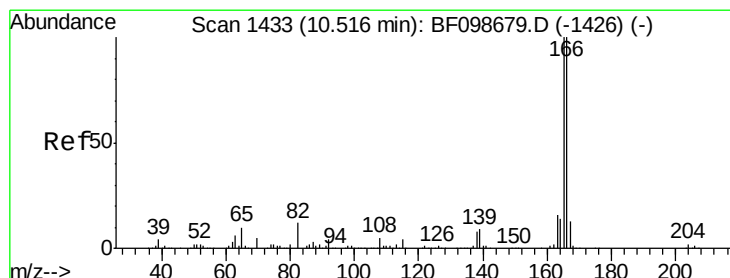
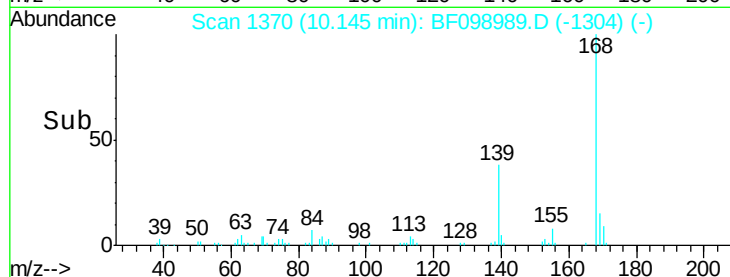
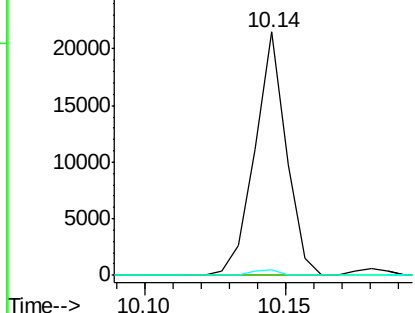
#55
4-Nitrophenol
Concen: 4.71 ng
RT: 10.14 min Scan# 1370
Delta R.T. 0.09 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-1DL

Tot Ion:139 Resp: 16538
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 2.2 72.6 112.6#

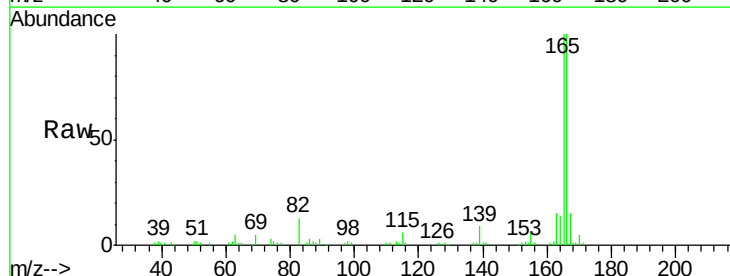


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

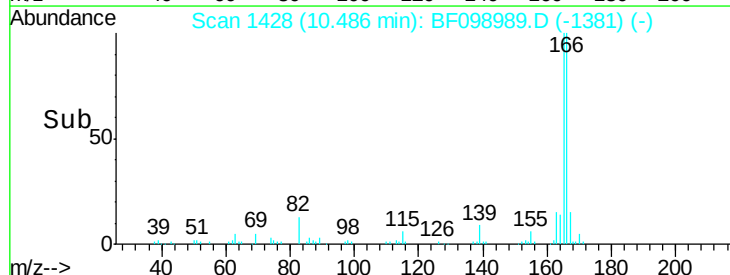
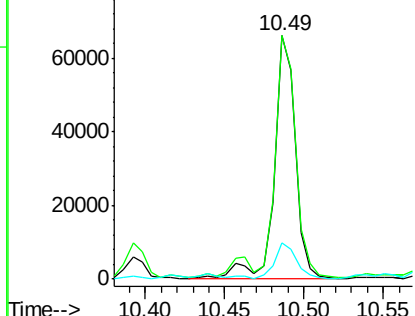


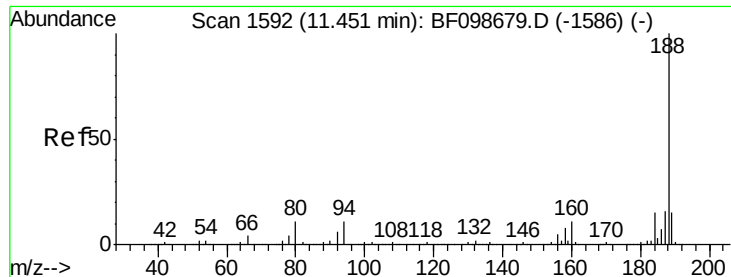
#57
Fluorene
Concen: 4.28 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Tgt Ion:166 Resp: 62172
Ion Ratio Lower Upper
166 100
165 100.1 79.8 119.8
167 15.2 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

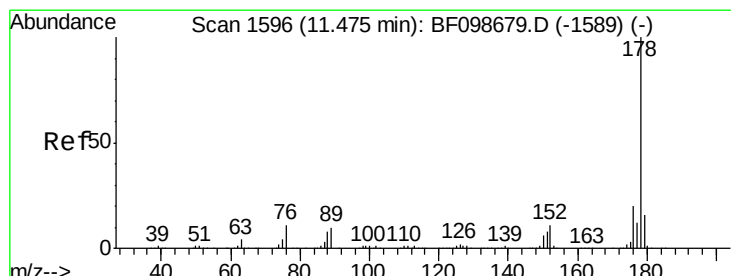
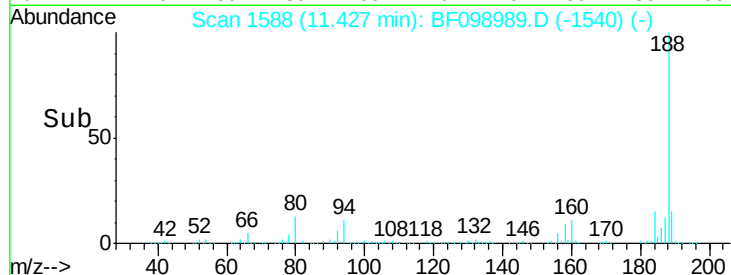
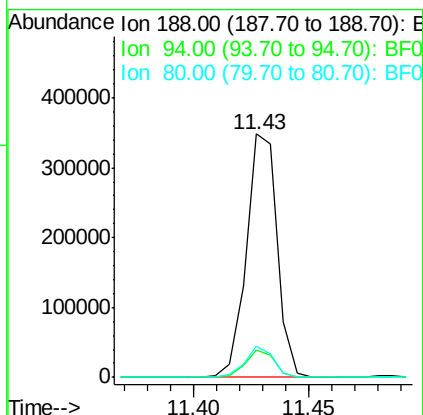
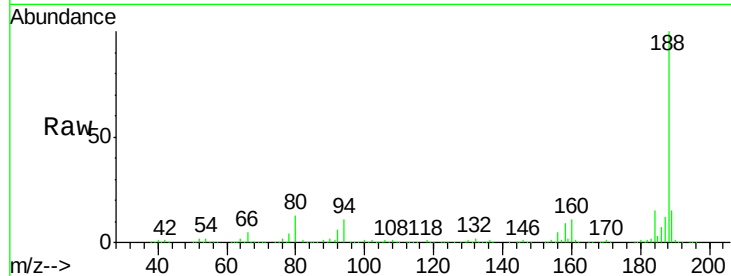




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

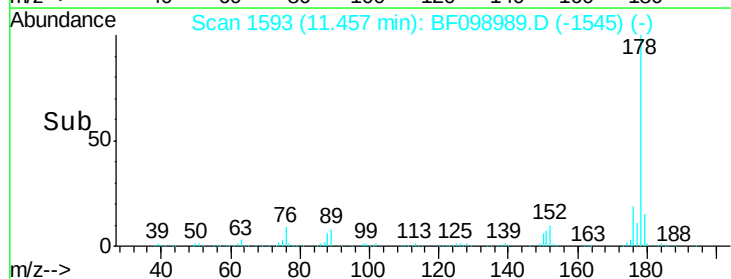
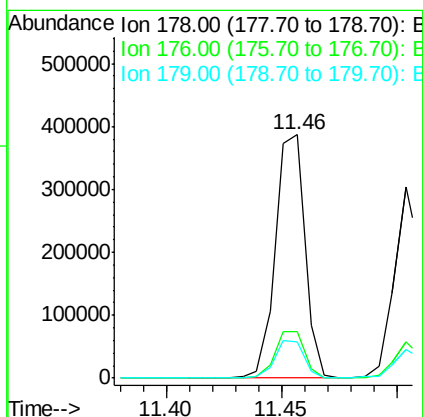
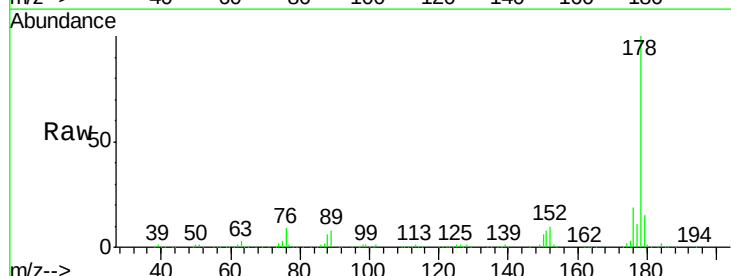
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-1DL

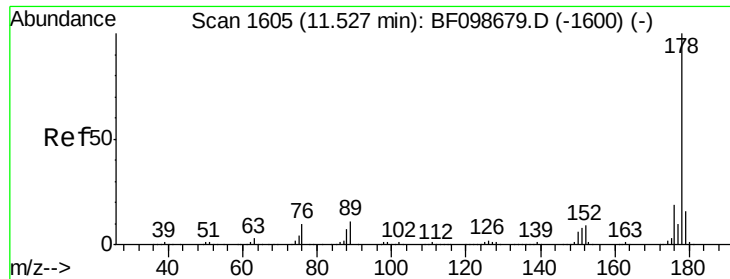
Tot Ion:188 Resp: 324877
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 13.0 9.2 13.8



#70
Phenanthrene
Concen: 19.73 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Tgt Ion:178 Resp: 343152
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.1 13.0 19.6

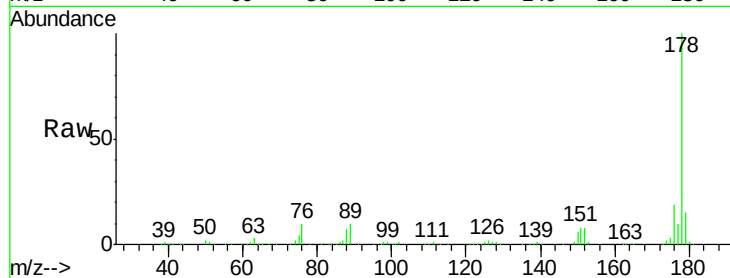




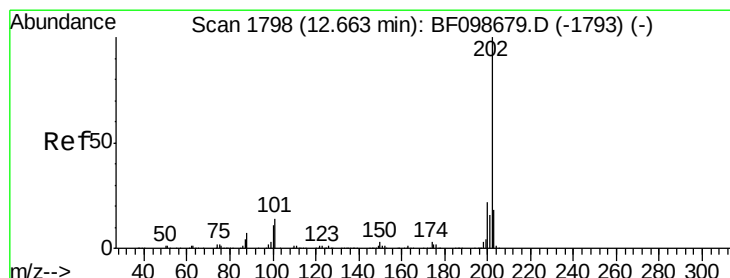
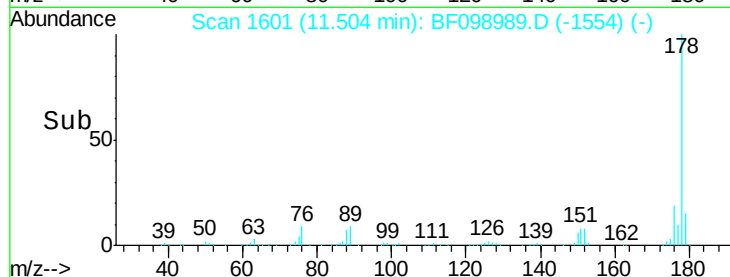
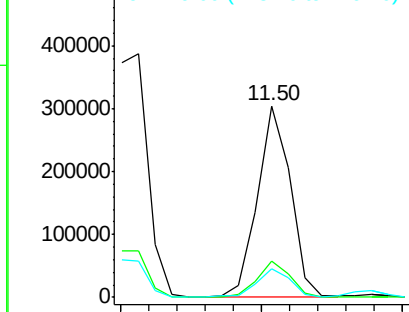
#71
 Anthracene
 Concen: 13.75 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.02 min
 Lab File: BF098989.D
 Acq: 1 Oct 2017 13:53

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-1DL

Tot Ion:178 Resp: 244623
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.2 12.6 19.0

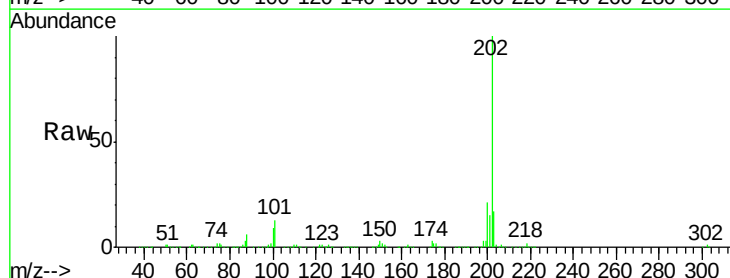


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

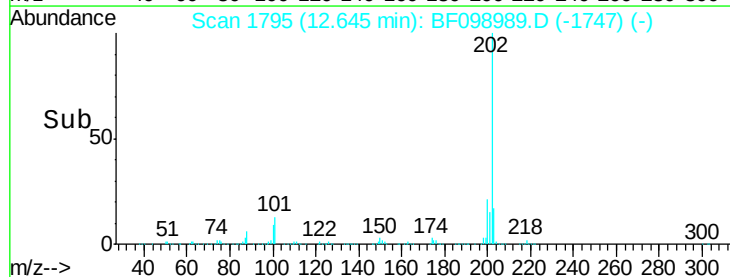
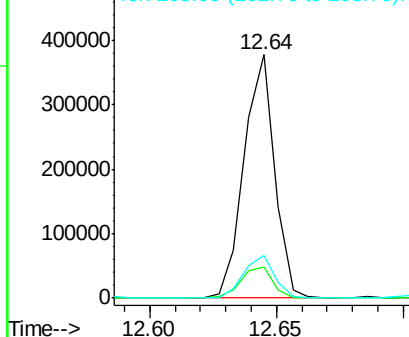


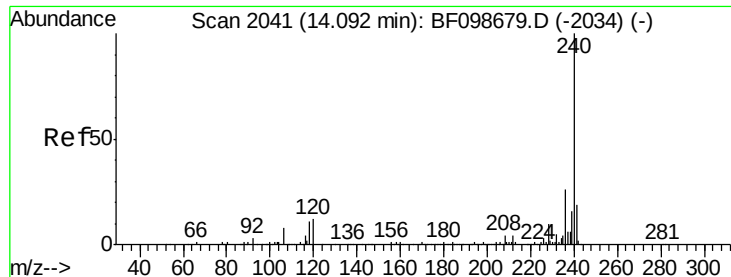
#74
 Fluoranthene
 Concen: 17.98 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.02 min
 Lab File: BF098989.D
 Acq: 1 Oct 2017 13:53

Tgt Ion:202 Resp: 316559
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 34.1
 203 17.4 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: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-1DL

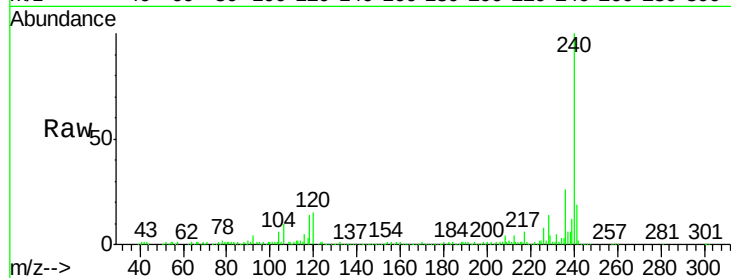
Tot Ion:240 Resp: 228768

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

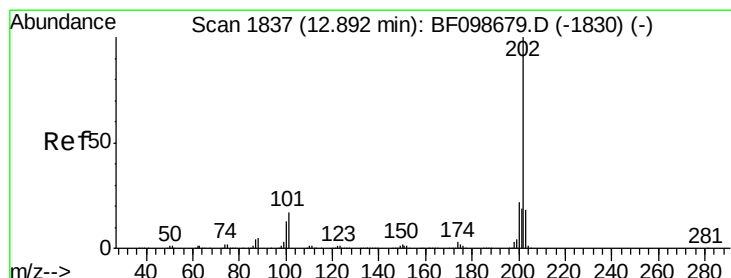
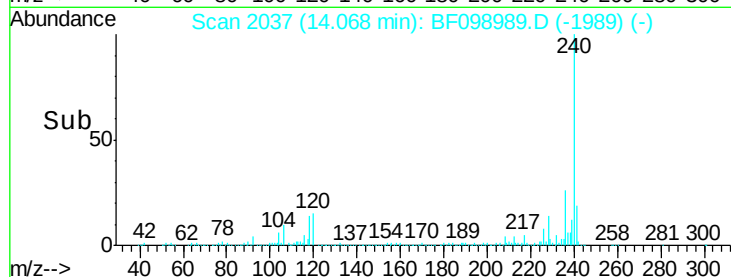
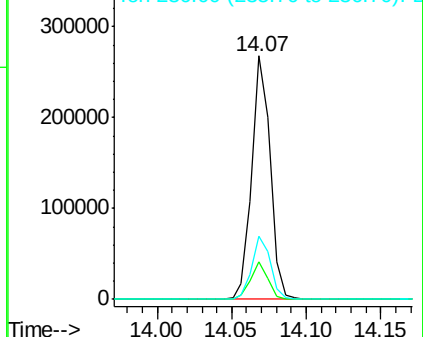
236 25.8 20.7 31.1



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: 14.06 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

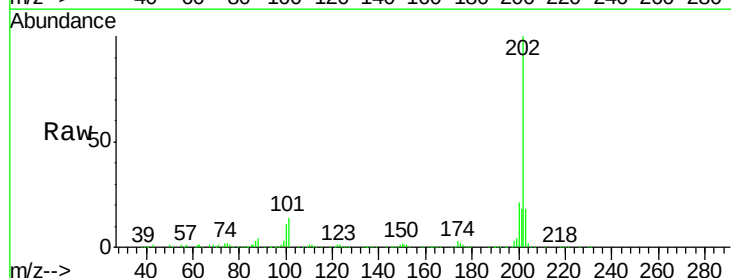
Tgt Ion:202 Resp: 245212

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

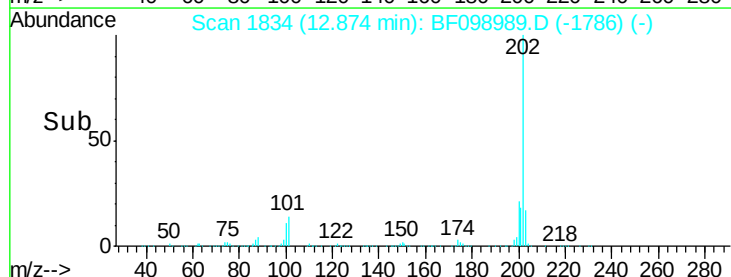
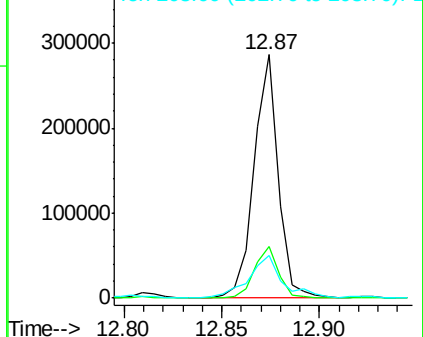
203 17.5 14.3 21.5

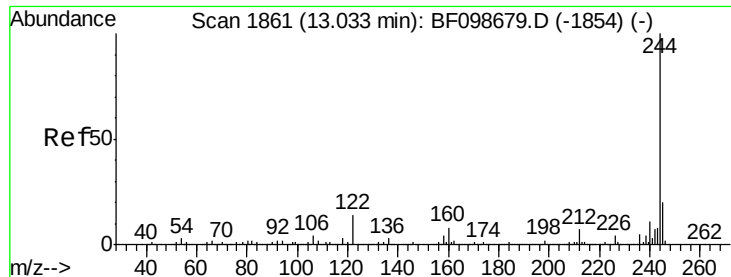


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.76 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-1DL

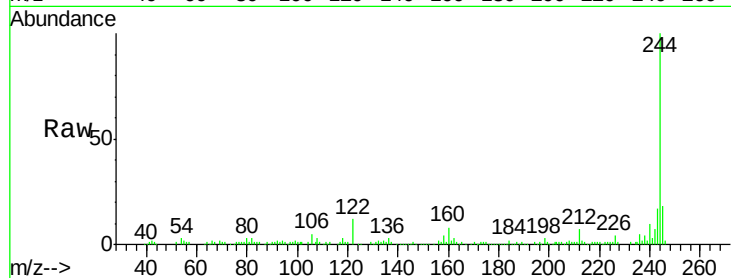
Tot Ion:244 Resp: 78046

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

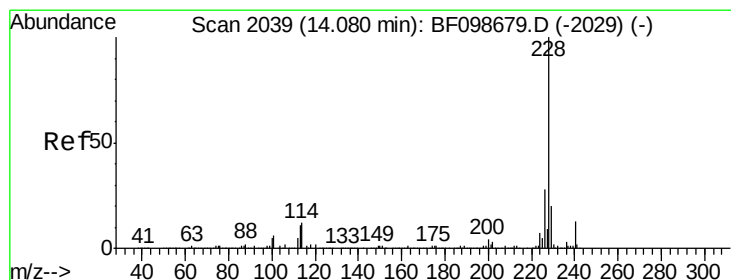
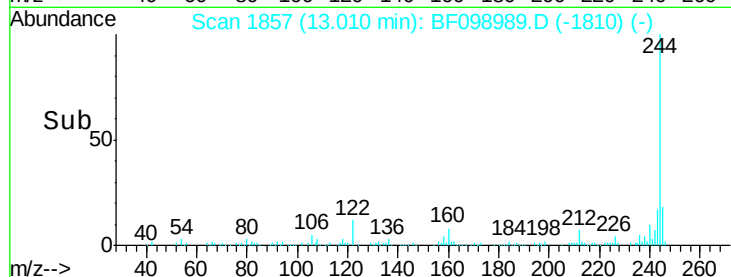
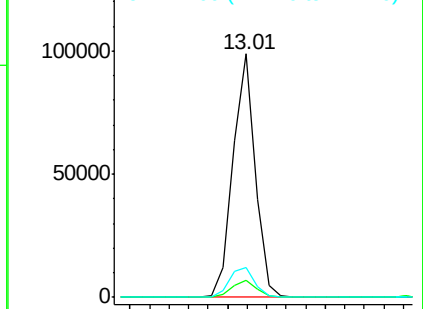
122 12.4 11.0 16.4



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: 8.70 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

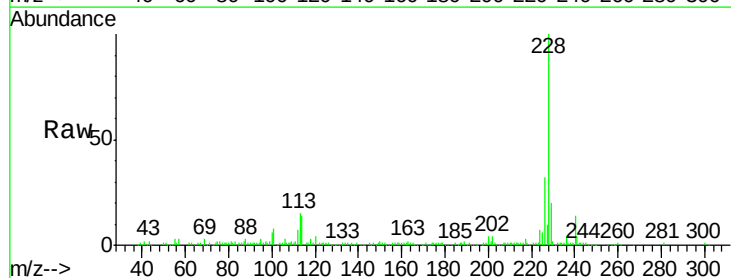
Tgt Ion:228 Resp: 120538

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

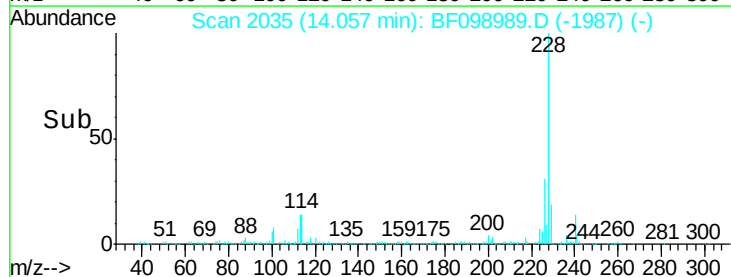
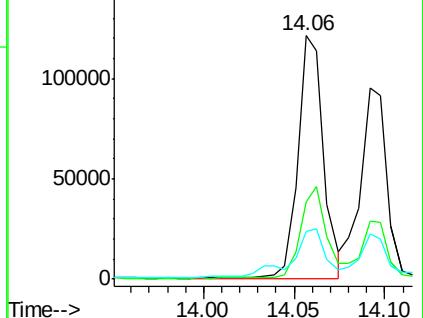
229 19.5 15.8 23.6

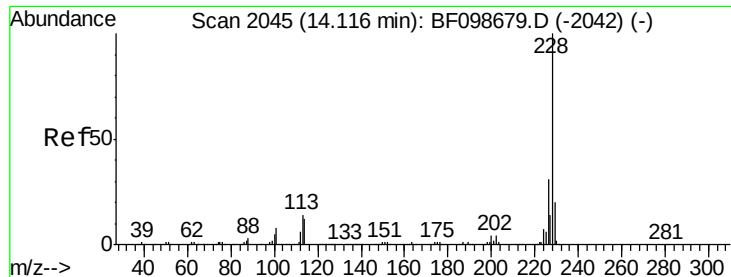


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.31 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-1DL

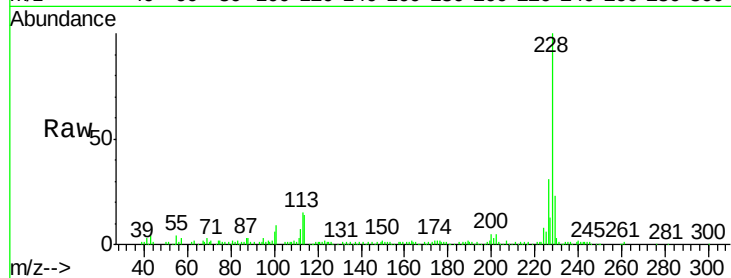
Tot Ion:228 Resp: 96459

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

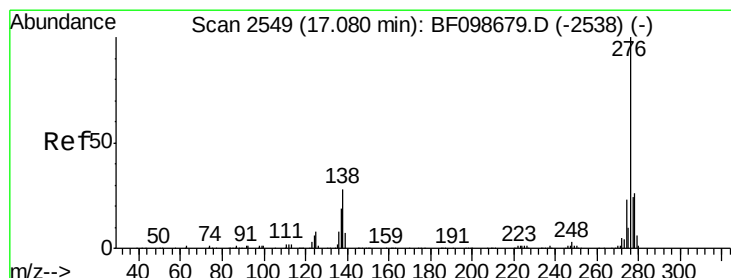
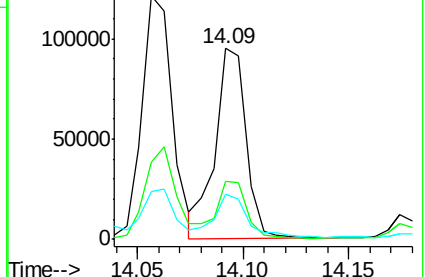
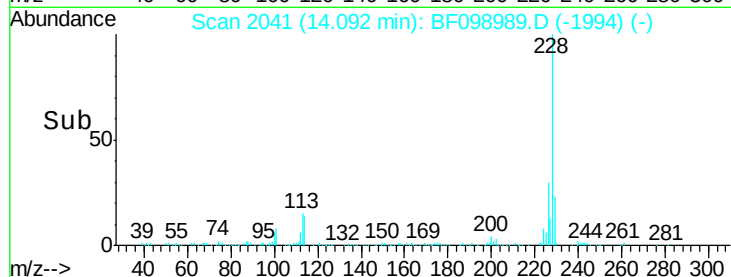
229 23.4 16.2 24.4



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: 4.23 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.03 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

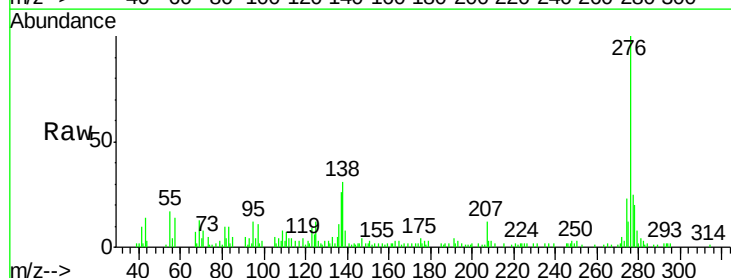
Tgt Ion:276 Resp: 44669

Ion Ratio Lower Upper

276 100

138 29.0 25.0 37.6

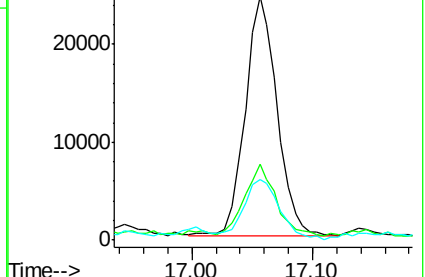
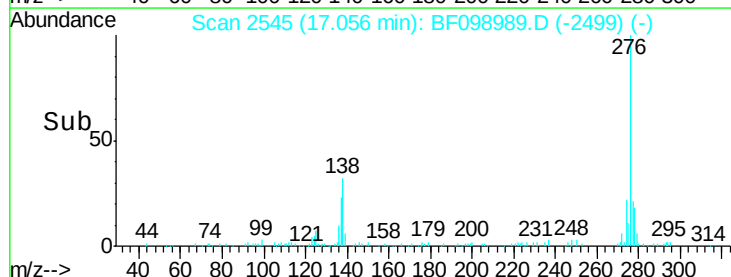
277 29.3 20.1 30.1

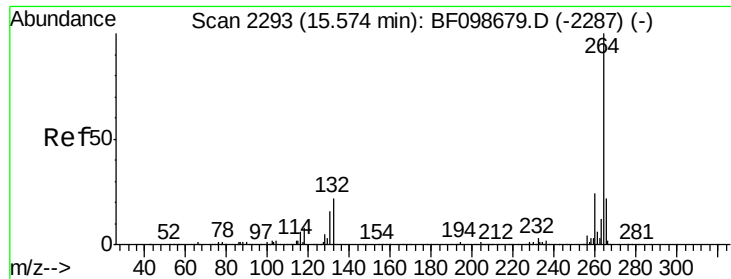


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

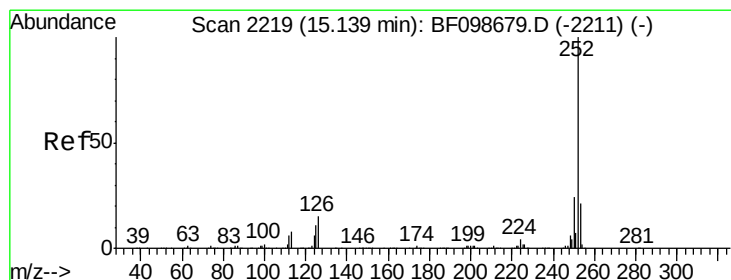
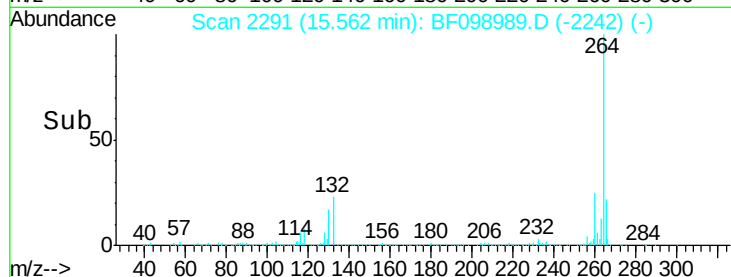
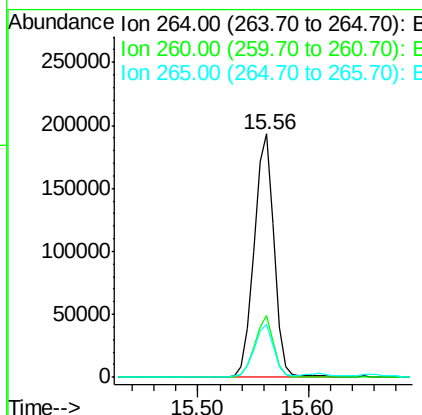
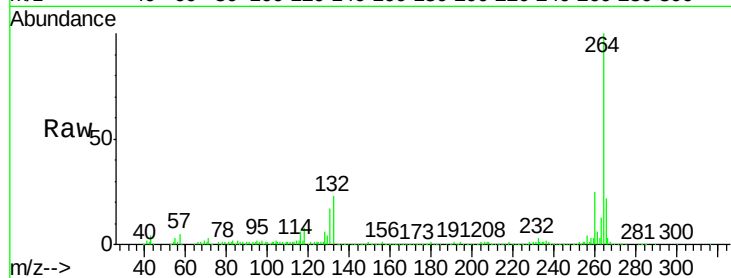




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

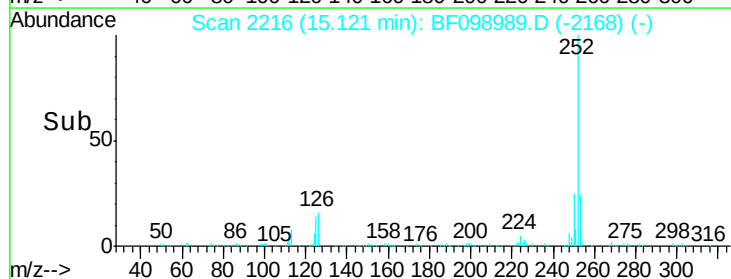
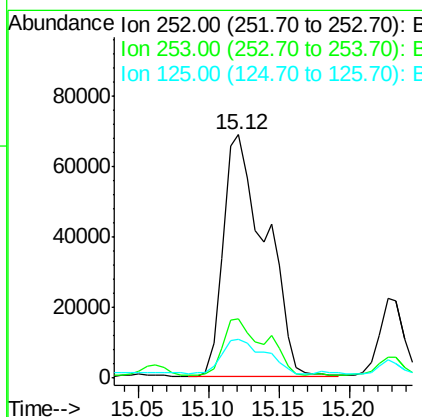
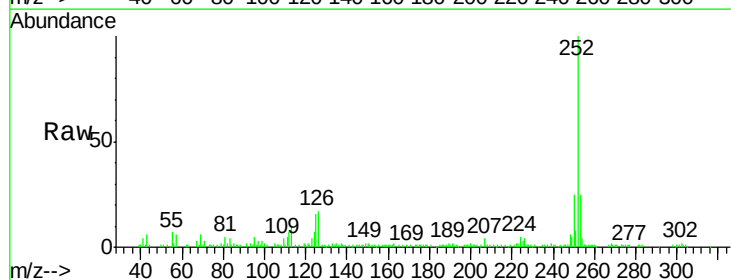
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-1DL

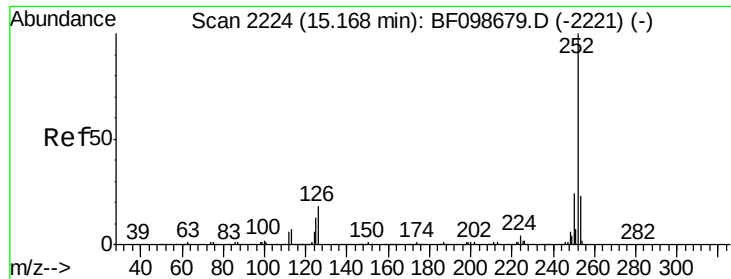
Tot Ion:264 Resp: 246090
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.52 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098989.D
Acq: 1 Oct 2017 13:53

Tgt Ion:252 Resp: 144056
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.6
125 16.2 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 9.64 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.05 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-1DL

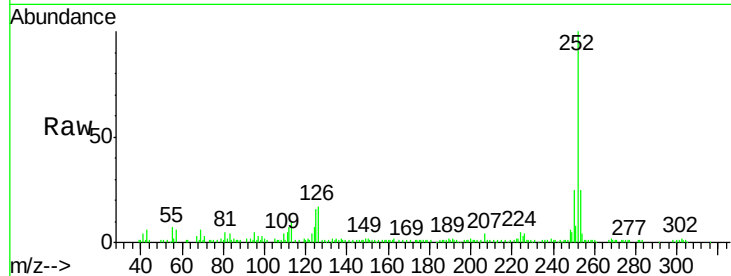
Tot Ion:252 Resp: 144056

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

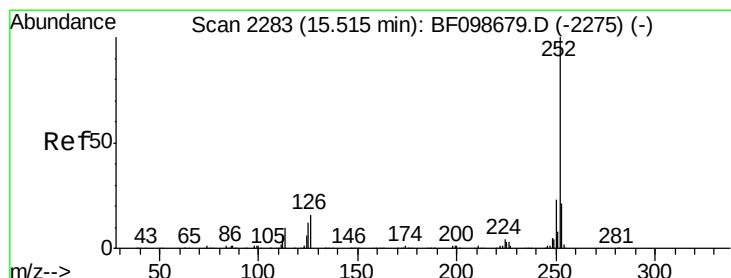
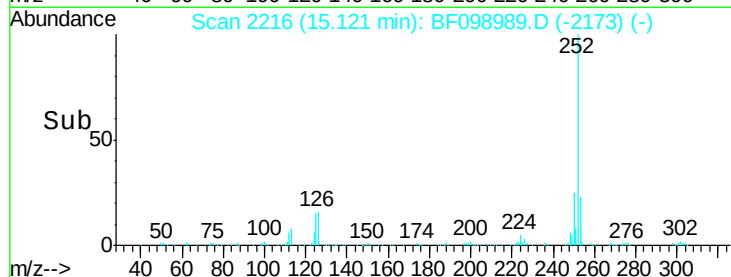
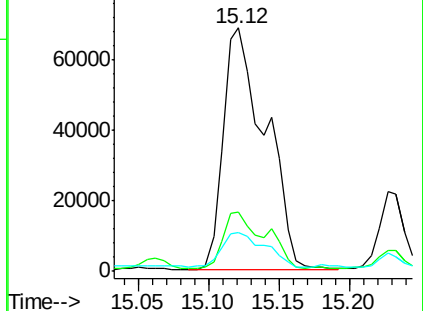
125 16.2 10.2 15.2#



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: 6.28 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF098989.D

Acq: 1 Oct 2017 13:53

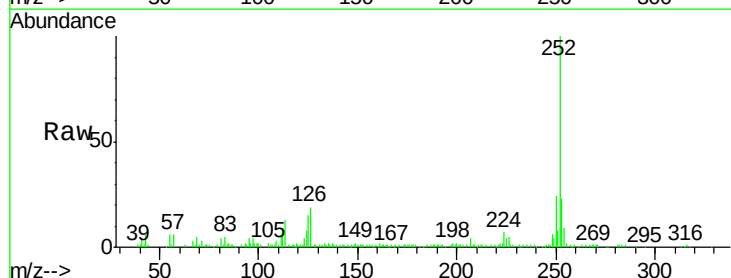
Tgt Ion:252 Resp: 87183

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

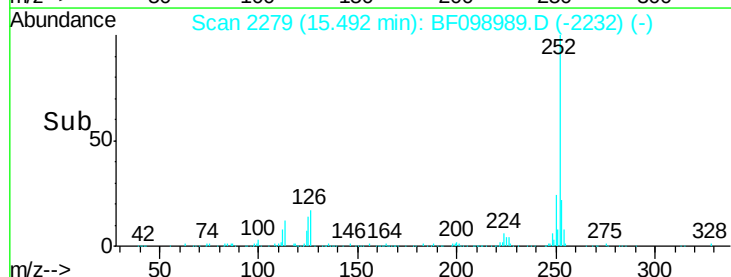
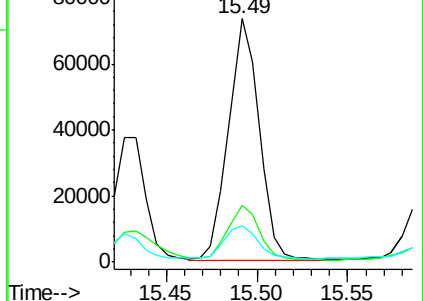
125 15.0 9.8 14.6#

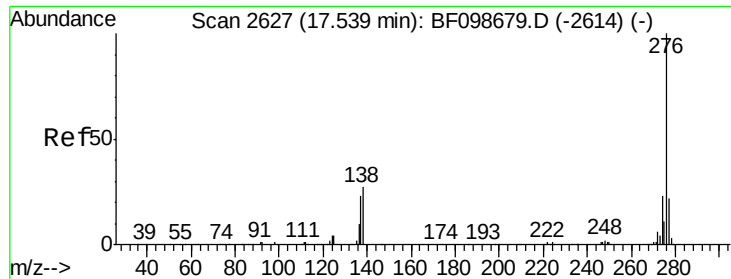


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

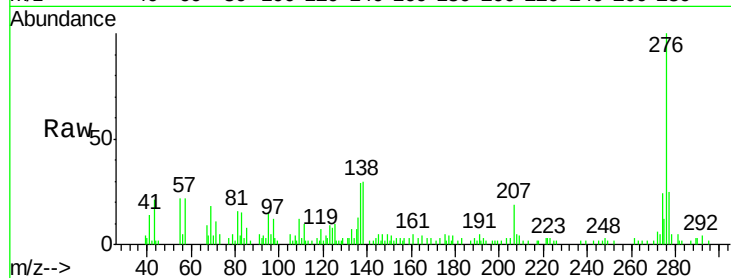




#91
 Benzo(a,h,i)perylene
 Concen: 3.62 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.03 min
 Lab File: BF098989.D
 Acq: 1 Oct 2017 13:53

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-1DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	29.8	21.8	32.8



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

