

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098992.D
 Acq On : 1 Oct 2017 15:16
 Operator : SJ/JU
 Sample : I5563-07DL 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

Quant Time: Oct 02 00:54:04 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

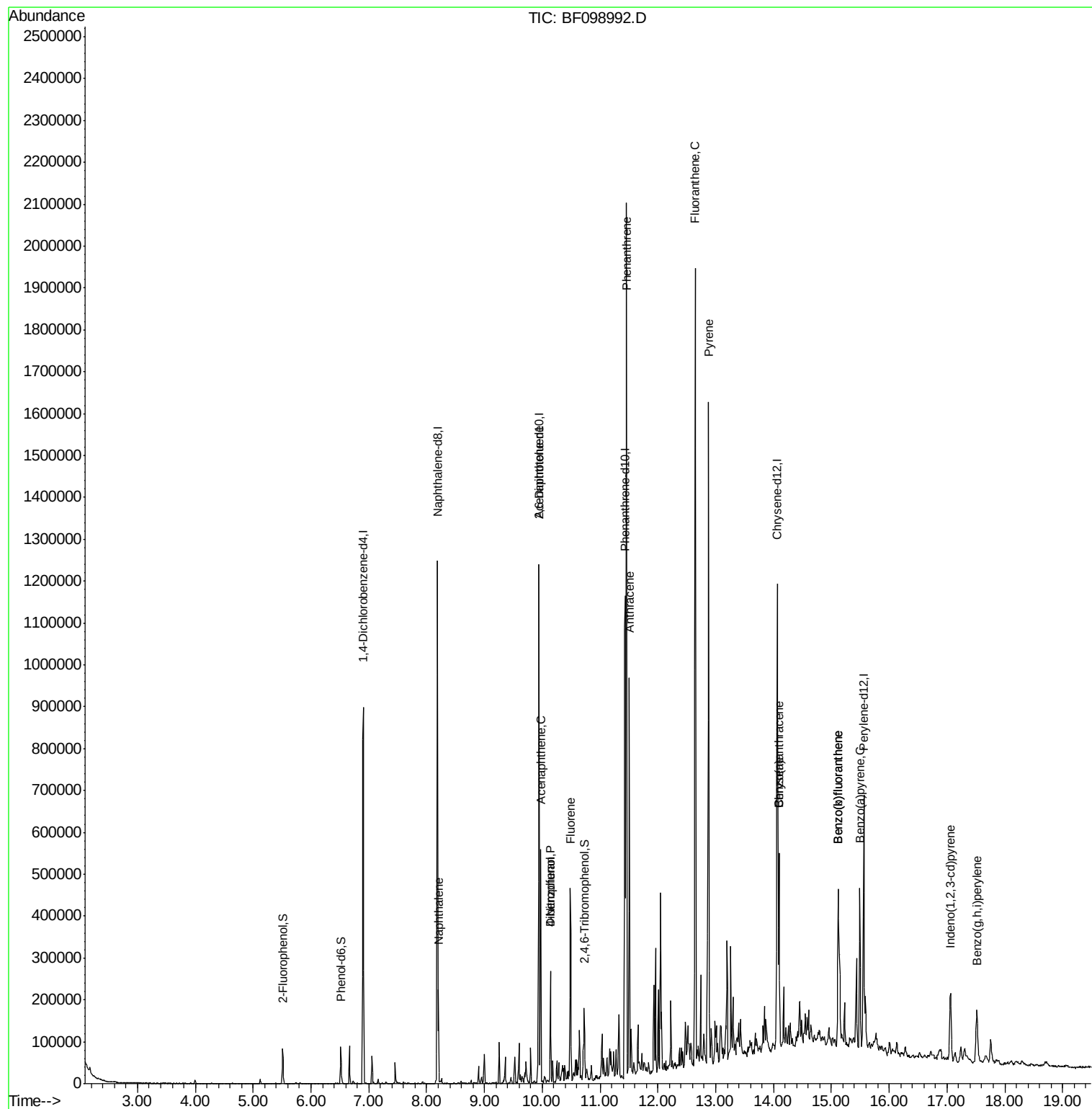
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	136145	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	554497	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	250715	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	419811	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	256895	20.00	ng	-0.02
86) Perylene-d12	15.56	264	254277	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	22032	2.58	ng	-0.03
7) Phenol-d6	6.52	99	27490	2.61	ng	-0.03
23) Nitrobenzene-d5	7.46	82	15771	1.82	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	4161	2.03	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	27999	1.86	ng	-0.02
78) Terphenyl-d14	13.01	244	20243	1.79	ng	-0.02
Target Compounds						
31) Naphthalene	8.20	128	88462	3.40	ng	Qvalue 100
50) 2,6-Dinitrotoluene	9.94	165	33298	8.08	ng	# 26
51) Acenaphthene	9.97	154	105902	6.75	ng	99
54) Dibenzofuran	10.15	168	85660	4.10	ng	99
55) 4-Nitrophenol	10.15	139	33024	8.13	ng	# 10
57) Fluorene	10.49	166	122295	7.28	ng	98
70) Phenanthrene	11.46	178	712246	31.70	ng	99
71) Anthracene	11.50	178	327018	14.22	ng	99
74) Fluoranthene	12.64	202	709055	31.16	ng	99
77) Pyrene	12.87	202	603585	30.81	ng	100
80) Benzo(a)anthracene	14.10	228	177267	11.40	ng	96
82) Chrysene	14.10	228	177267	11.97	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	98100	8.28	ng	97
87) Benzo(b)fluoranthene	15.12	252	273676	17.51	ng	# 96
88) Benzo(k)fluoranthene	15.12	252	273676	17.72	ng	98
89) Benzo(a)pyrene	15.49	252	175261	12.21	ng	96
91) Benzo(a,h,i)perylene	17.52	276	93894	8.27	ng	94

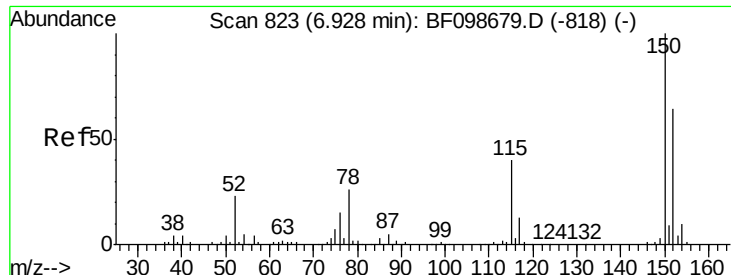
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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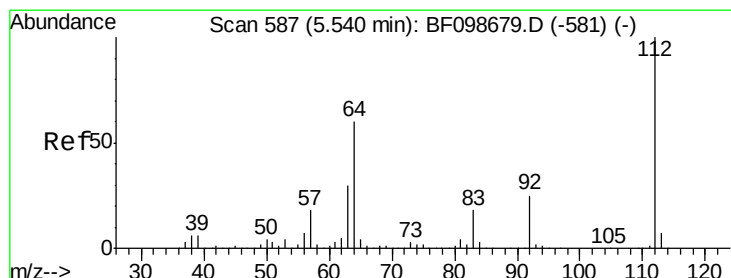
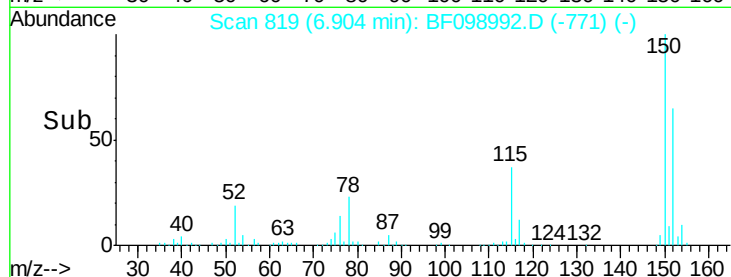
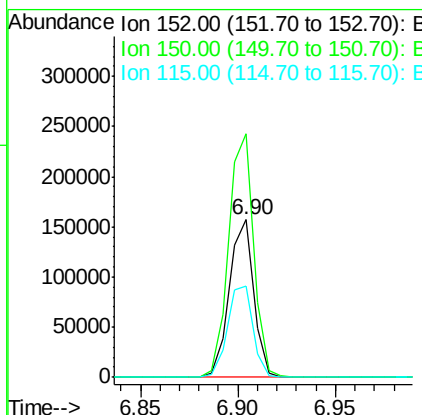
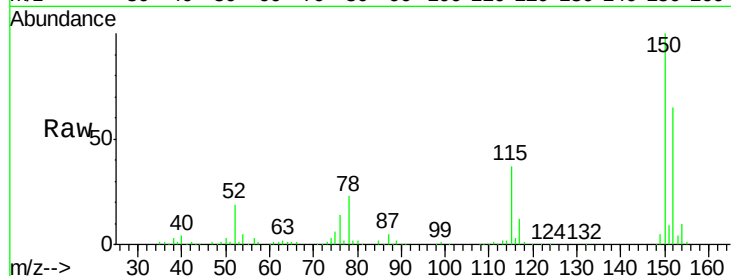


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

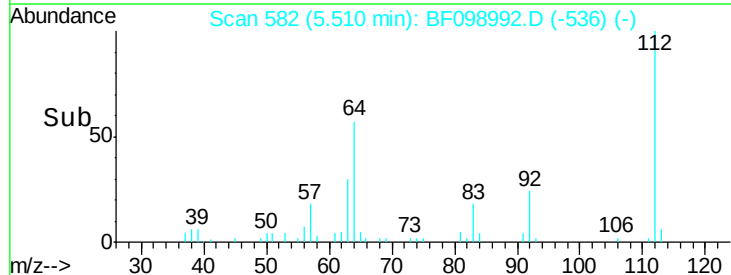
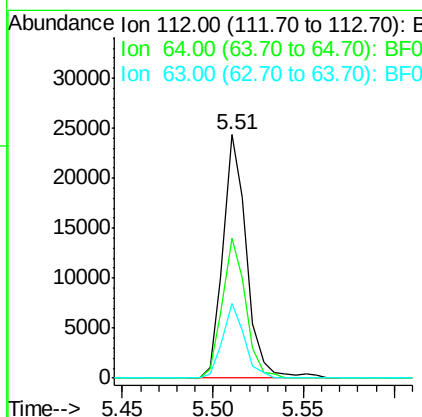
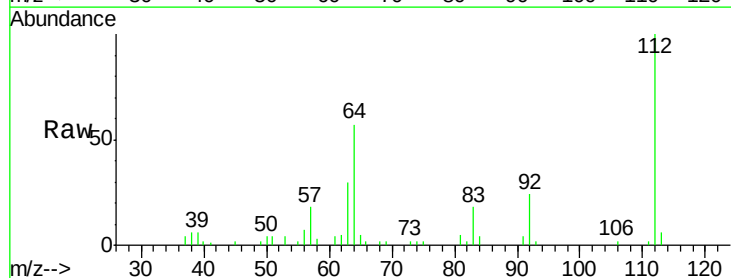
Tot Ion:152 Resp: 136145
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 57.8 50.1 75.1

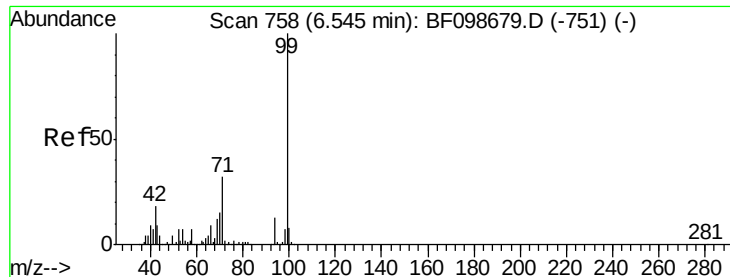


#5

2-Fluorophenol
Concen: 2.58 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.03 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion:112 Resp: 22032
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 30.4 23.7 35.5





#7

Phenol-d6

Concen: 2.61 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

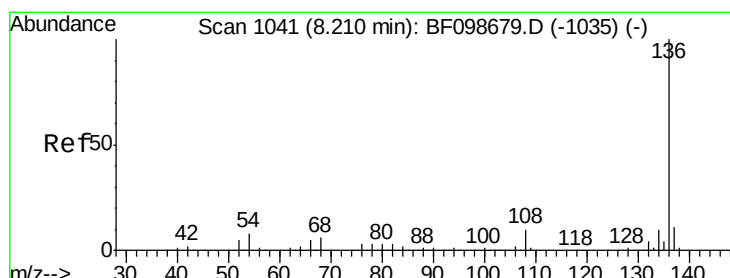
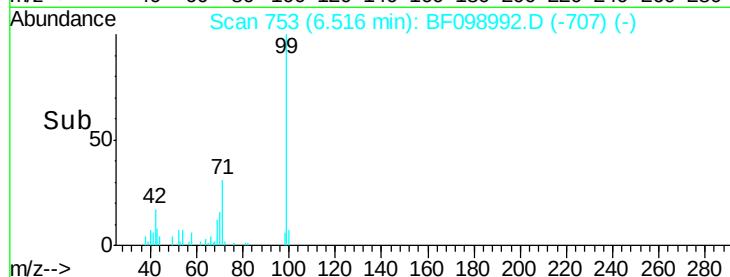
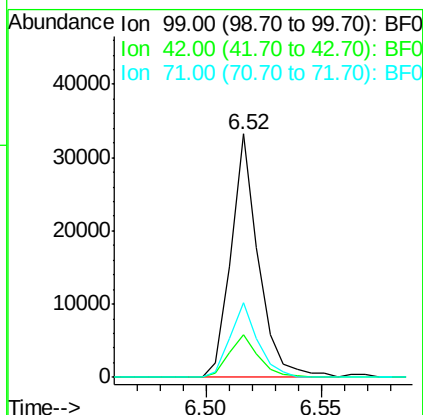
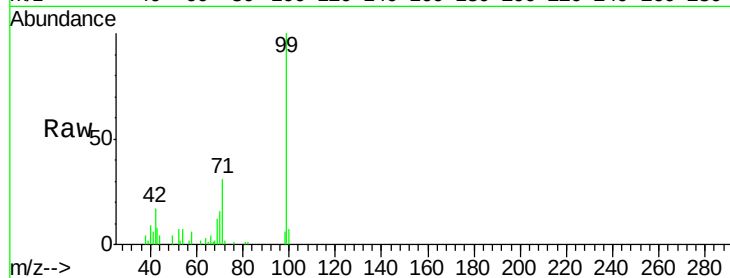
Tot Ion: 99 Resp: 27490

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

71 30.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Tgt Ion: 136 Resp: 554497

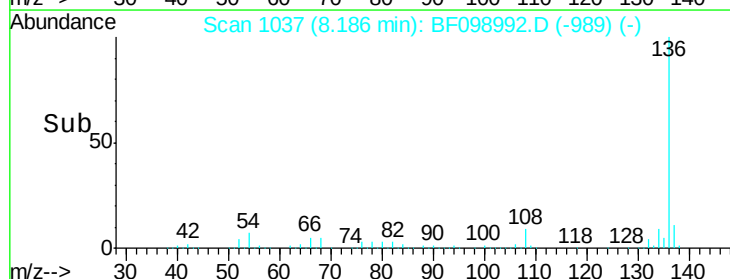
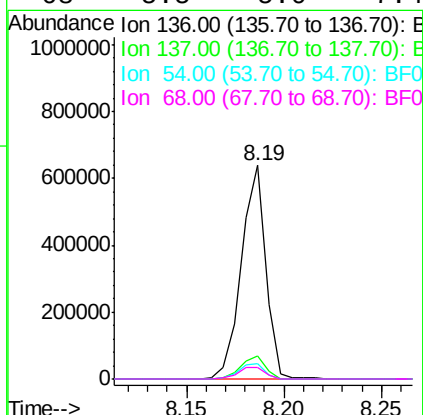
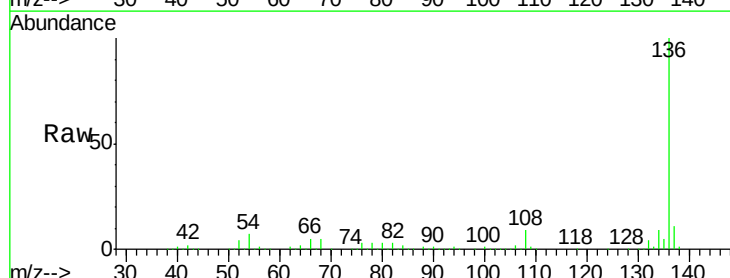
Ion Ratio Lower Upper

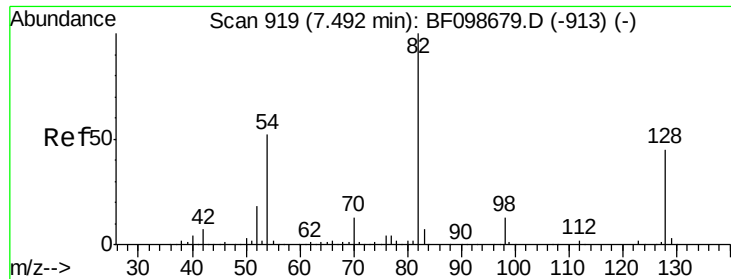
136 100

137 10.6 8.9 13.3

54 7.3 6.6 9.8

68 5.5 5.0 7.4

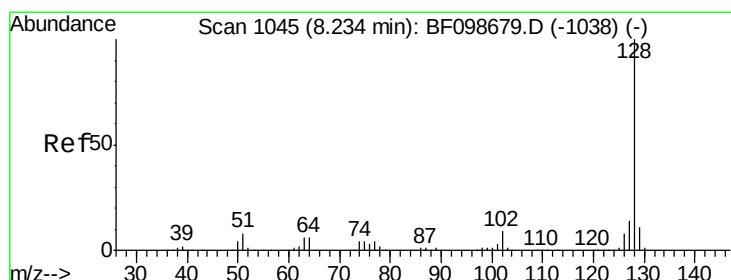
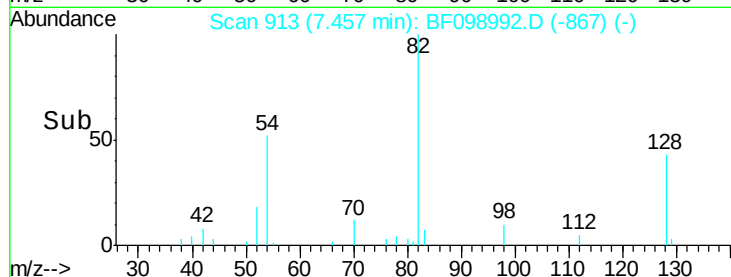
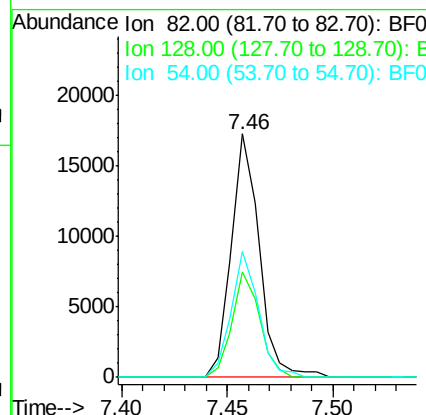
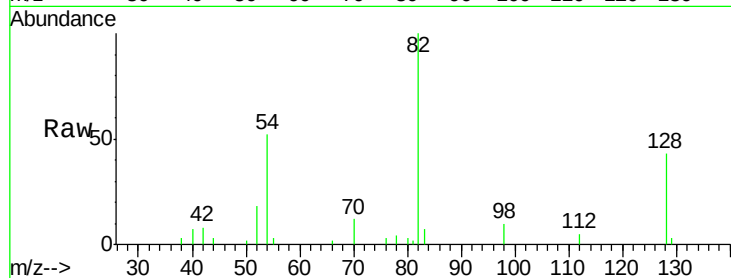




#23
Nitrobenzene-d5
Concen: 1.82 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.03 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

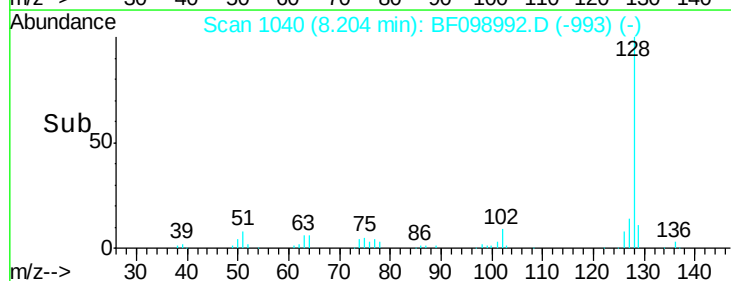
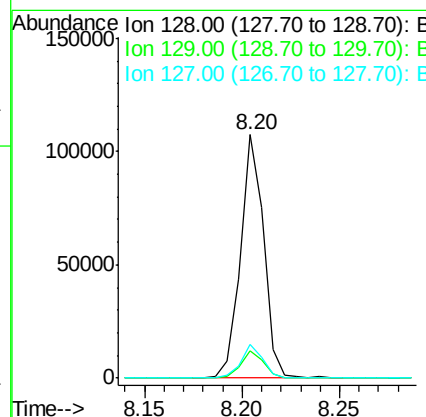
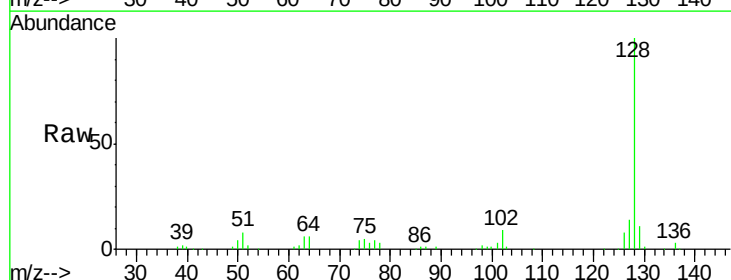
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

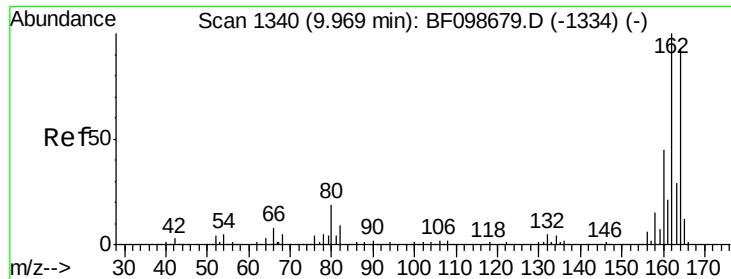
Tot Ion: 82 Resp: 15771
Ion Ratio Lower Upper
82 100
128 43.5 36.1 54.1
54 51.5 41.4 62.2



#31
Naphthalene
Concen: 3.40 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion: 128 Resp: 88462
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.6 10.9 16.3

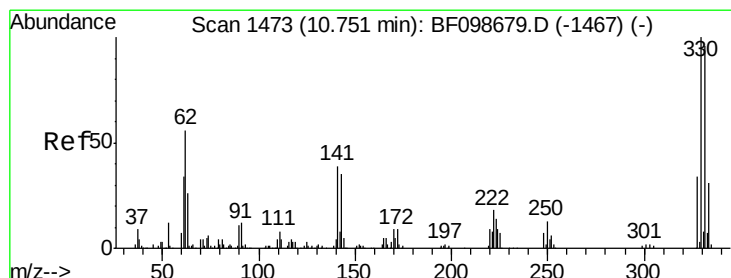
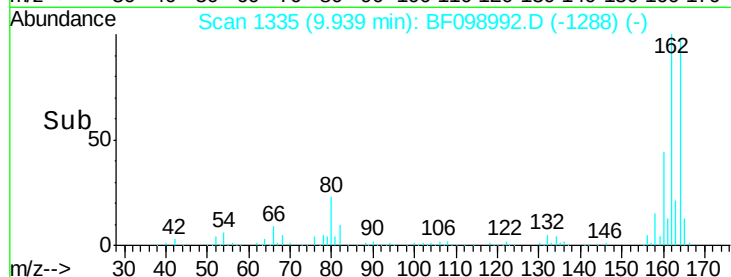
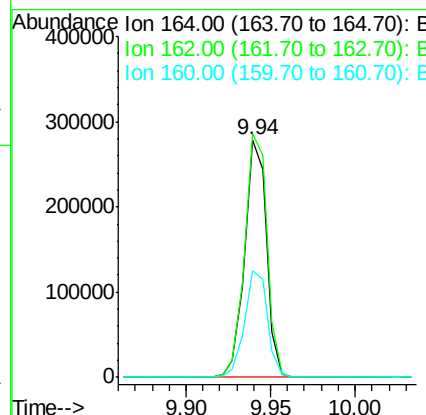
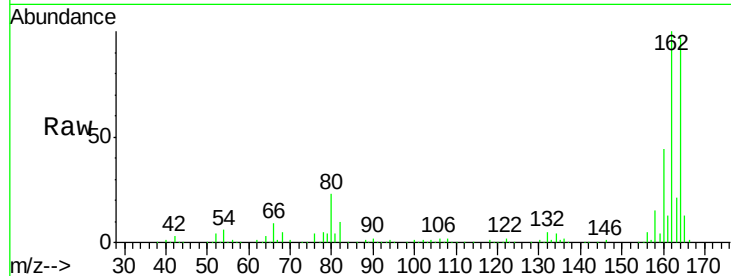




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

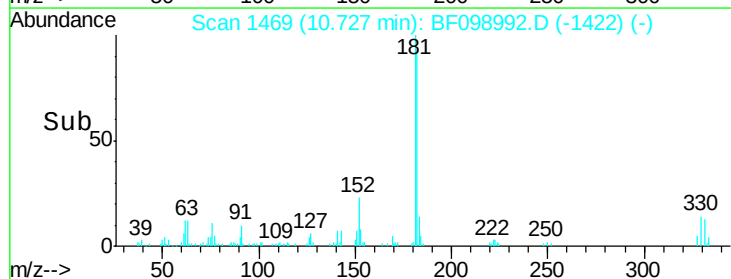
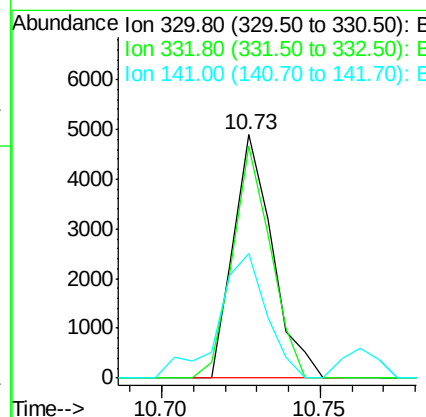
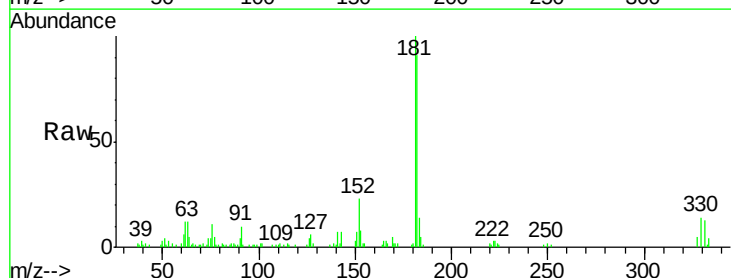
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

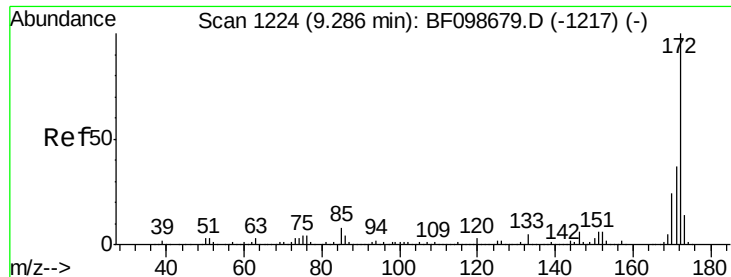
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	45.1	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 2.03 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	63.4	29.9	44.9#

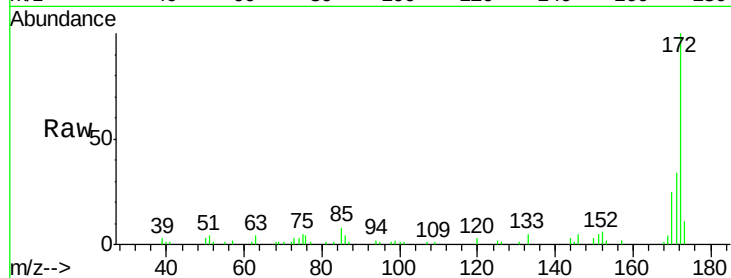




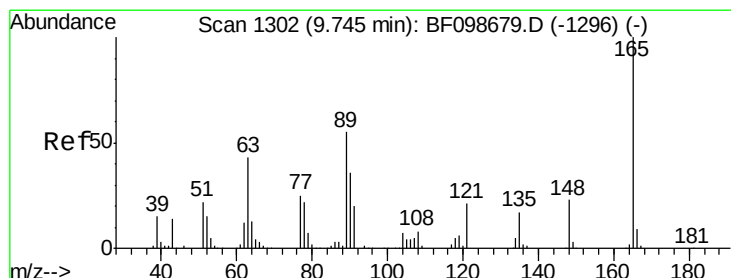
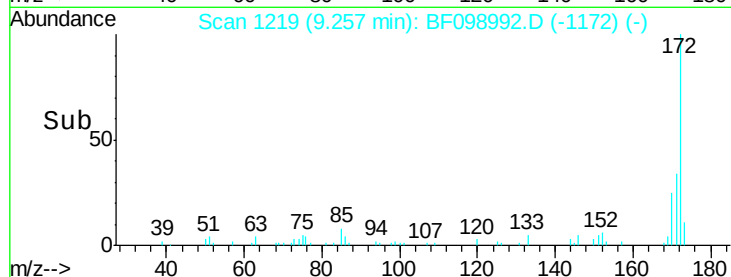
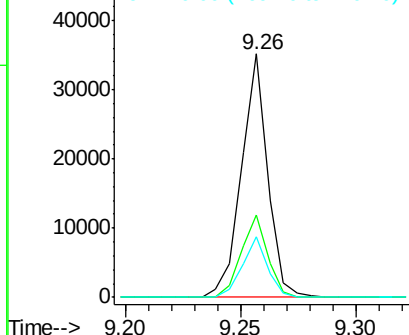
#44
 2-Fluorobiphenyl
 Concen: 1.86 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

Tot Ion:172 Resp: 27999
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.7 44.5
 170 25.0 19.6 29.4

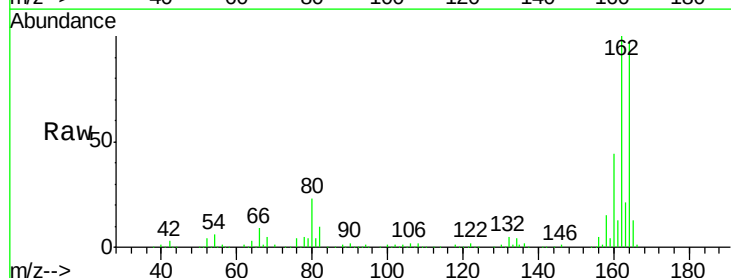


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

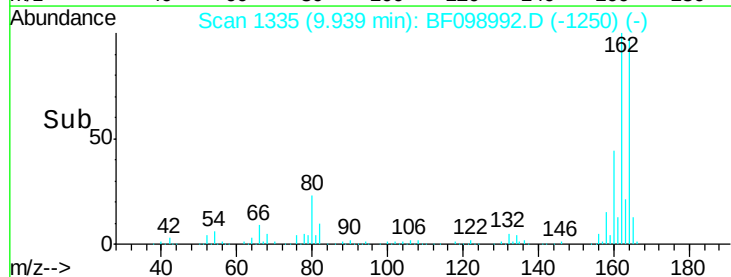
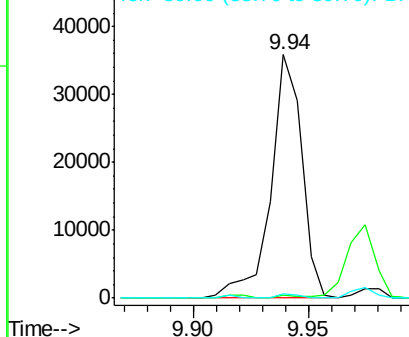


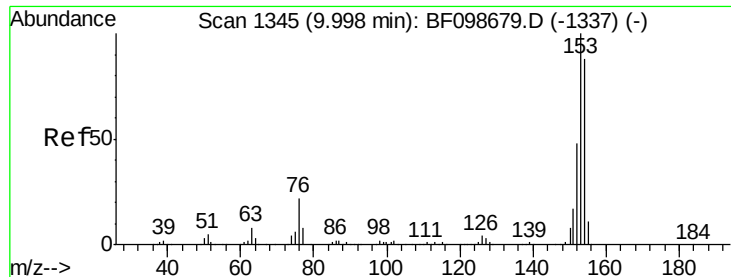
#50
 2,6-Dinitrotoluene
 Concen: 8.08 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.20 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Tgt Ion:165 Resp: 33298
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.7 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: 6.75 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

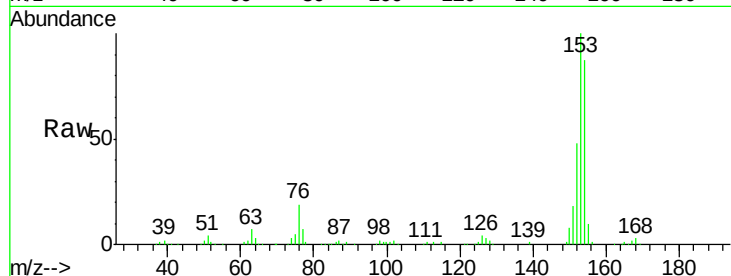
Tot Ion:154 Resp: 105902

Ion Ratio Lower Upper

154 100

153 115.2 91.2 136.8

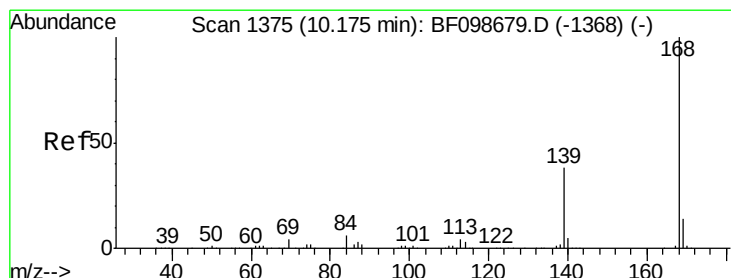
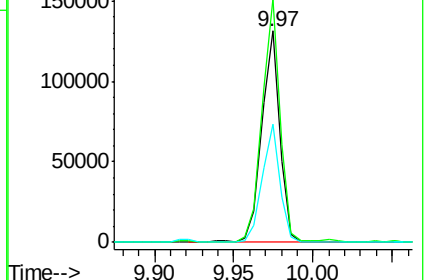
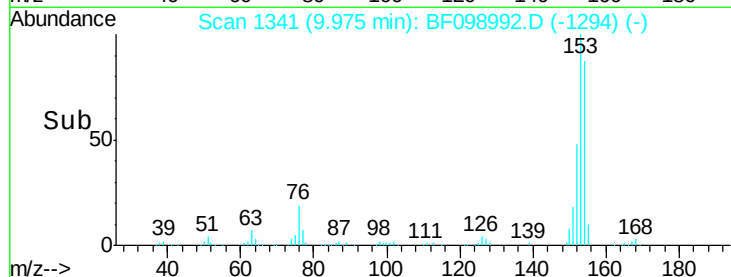
152 55.7 43.8 65.8



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: 4.10 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

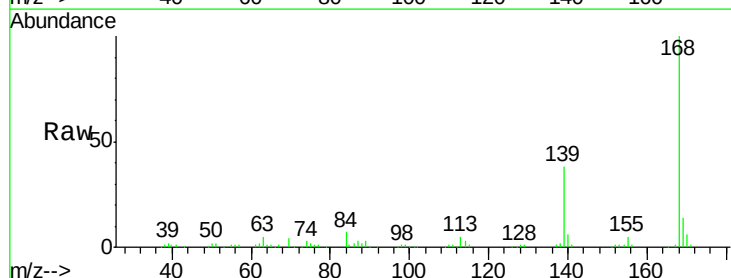
Tgt Ion:168 Resp: 85660

Ion Ratio Lower Upper

168 100

139 38.1 30.1 45.1

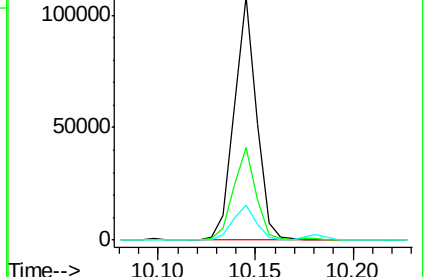
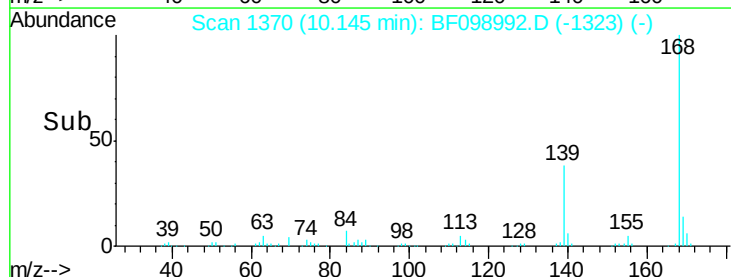
169 14.2 10.9 16.3

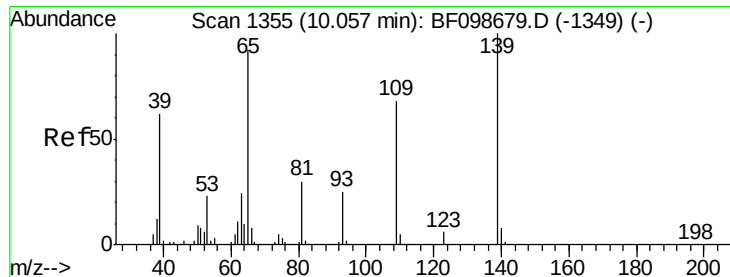


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

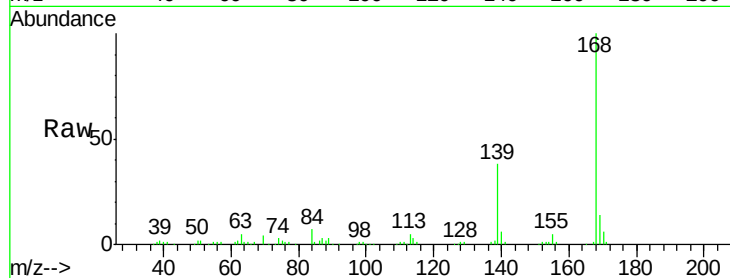




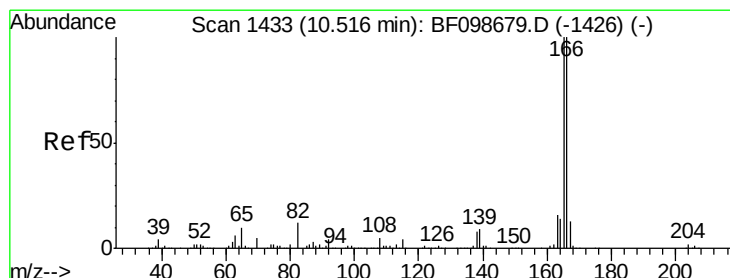
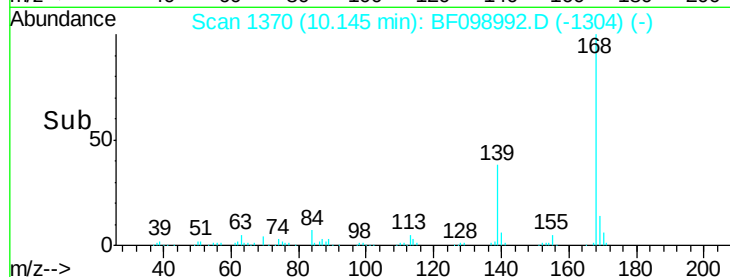
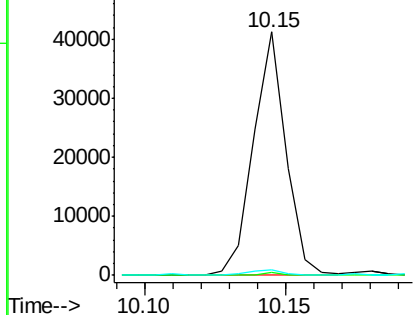
#55
4-Nitrophenol
Concen: 8.13 ng
RT: 10.15 min Scan# 1370
Delta R.T. 0.09 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion:139 Resp: 33024
Ion Ratio Lower Upper
139 100
109 1.0 48.4 88.4#
65 2.2 72.6 112.6#

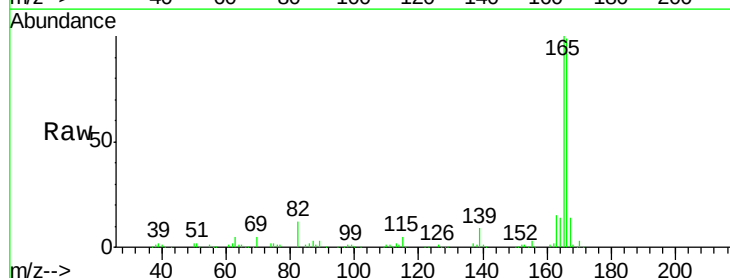


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

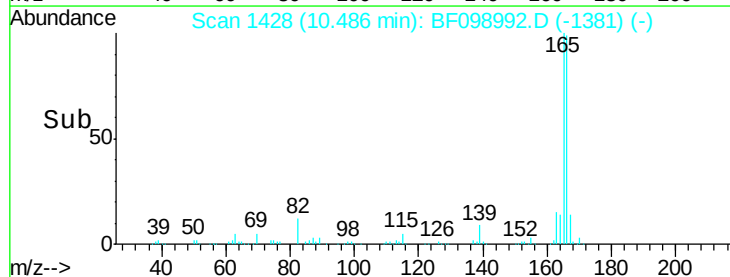
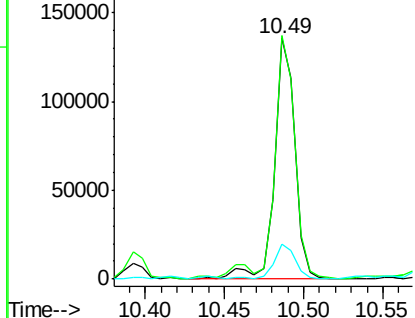


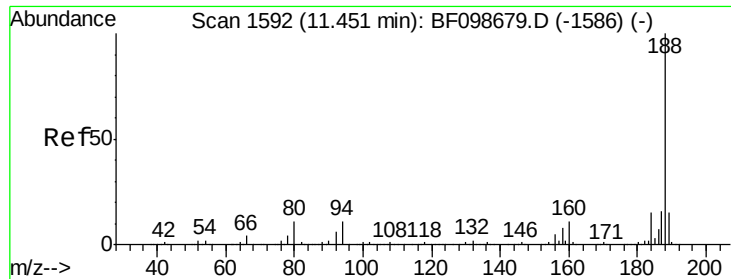
#57
Fluorene
Concen: 7.28 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion:166 Resp: 122295
Ion Ratio Lower Upper
166 100
165 101.1 79.8 119.8
167 14.6 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

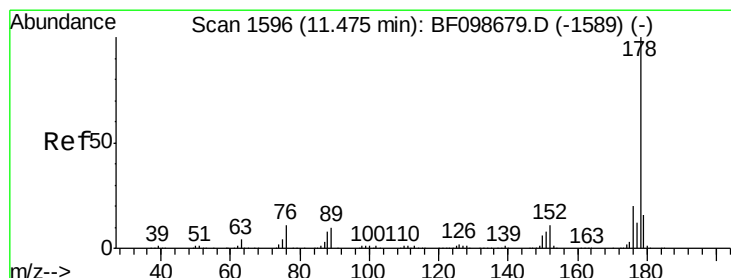
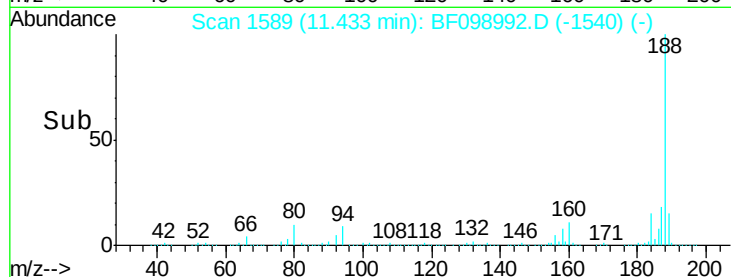
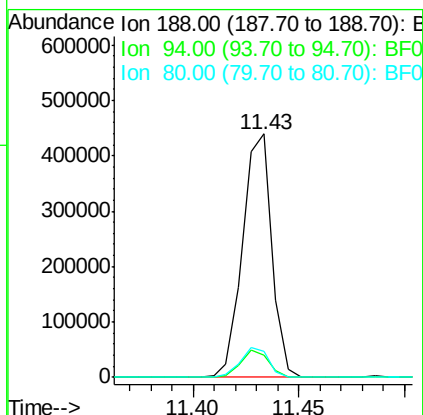
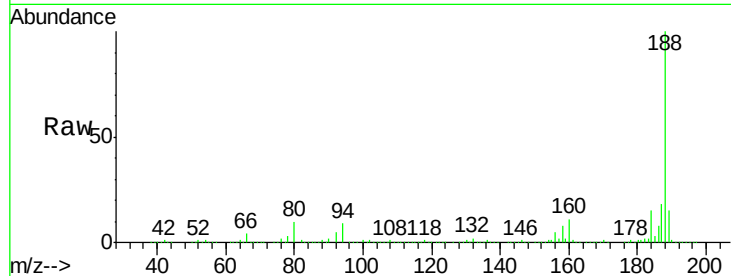




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

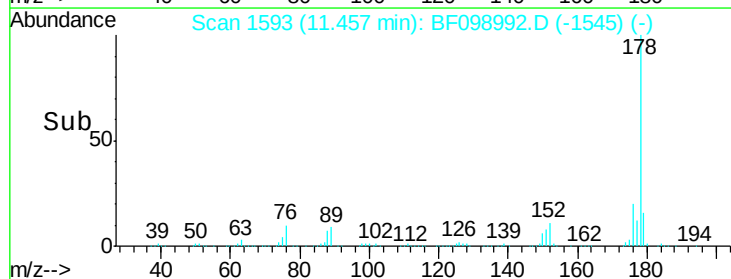
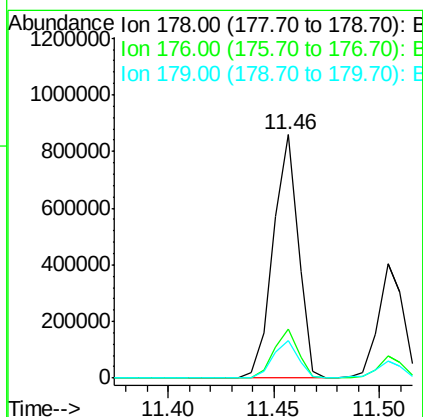
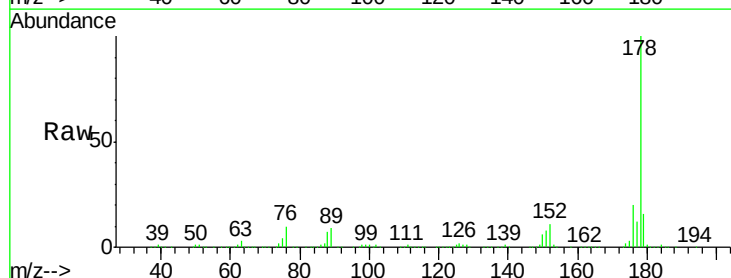
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

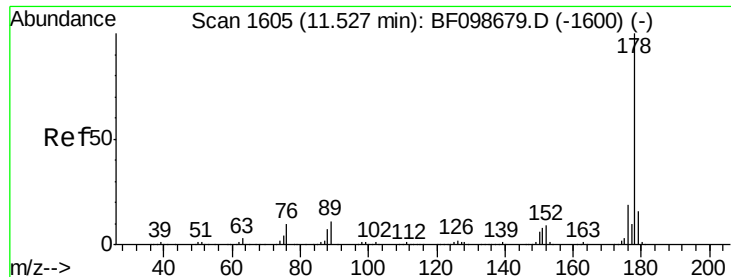
Tot Ion:188 Resp: 419811
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.5 9.2 13.8



#70
Phenanthrene
Concen: 31.70 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion:178 Resp: 712246
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.7 13.0 19.6





#71

Anthracene

Concen: 14.22 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

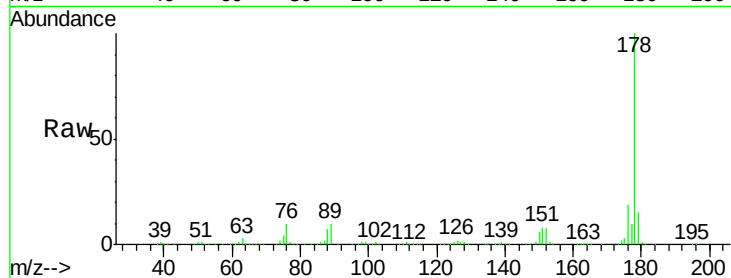
BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

Tot Ion:178 Resp: 327018

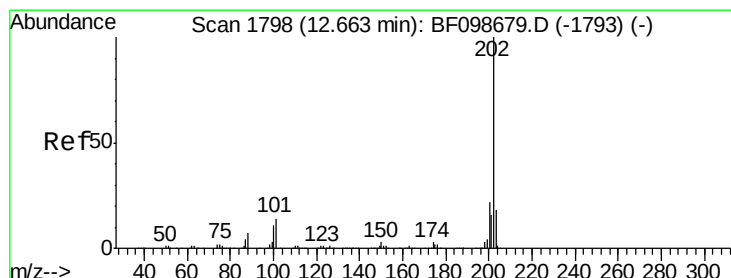
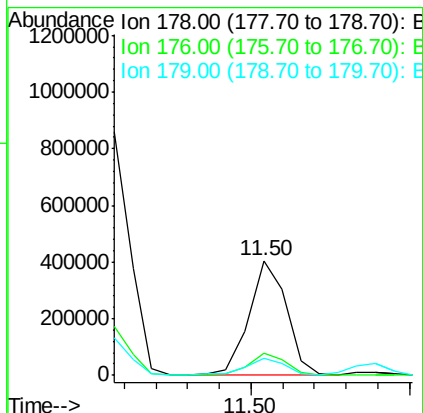
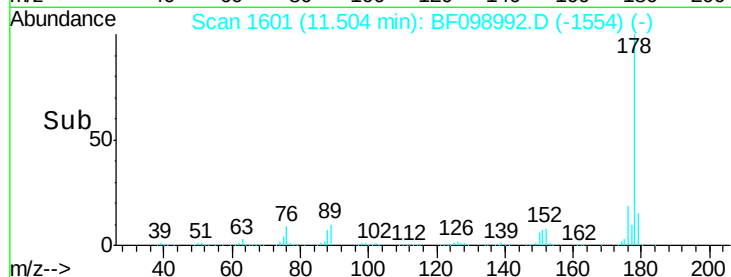
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.6	19.0



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: 31.16 ng

RT: 12.64 min Scan# 1795

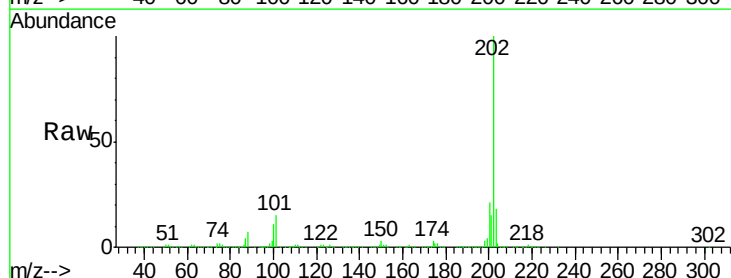
Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

Tgt Ion:202 Resp: 709055

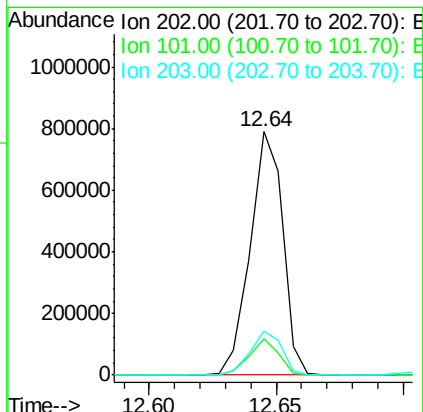
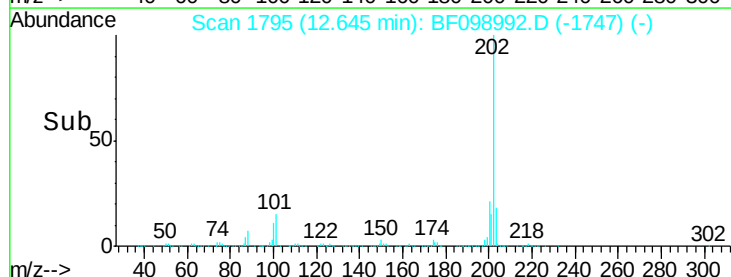
Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	34.1
203	17.9	0.0	38.1

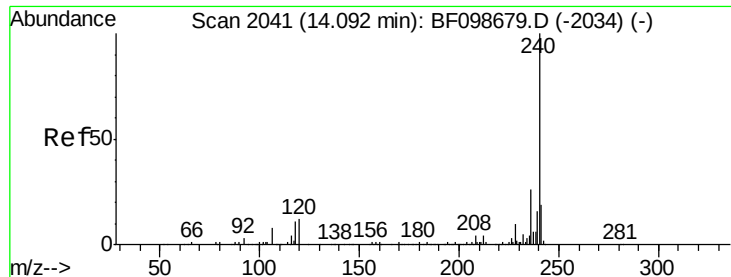


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF098992.D

Acq: 1 Oct 2017 15:16

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-7DL

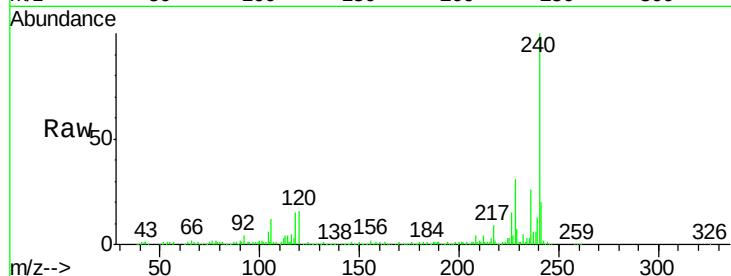
Tot Ion:240 Resp: 256895

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

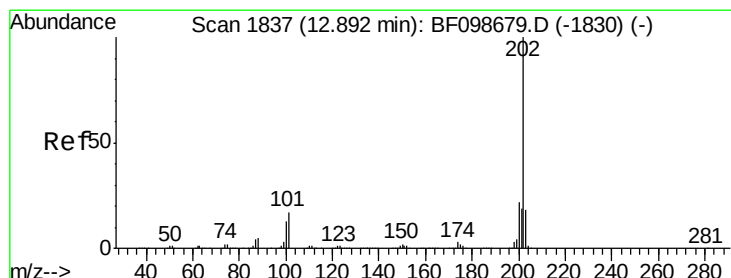
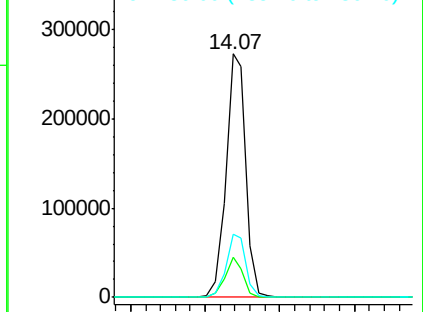
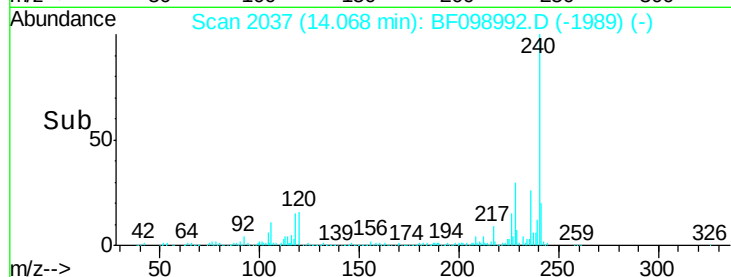
236 26.2 20.7 31.1



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: 30.81 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF098992.D

Acq: 1 Oct 2017 15:16

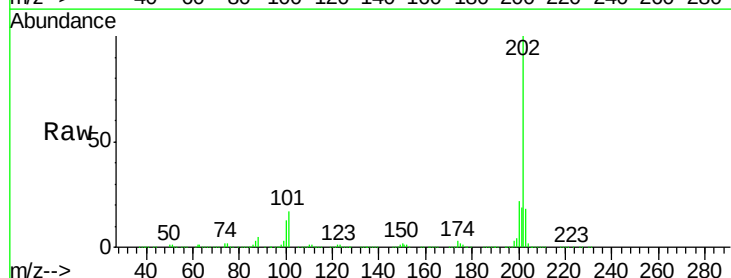
Tgt Ion:202 Resp: 603585

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

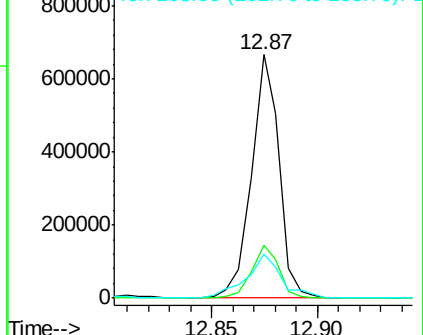
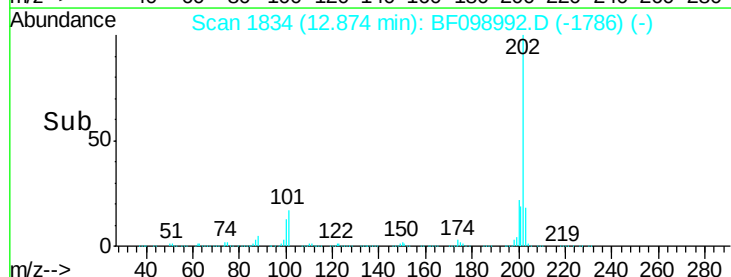
203 18.0 14.3 21.5

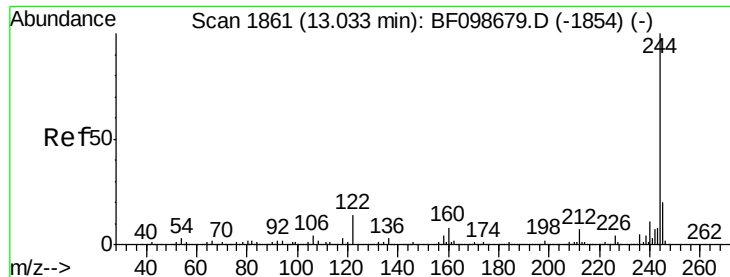


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

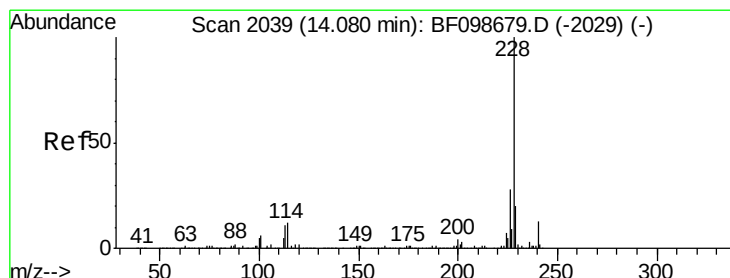
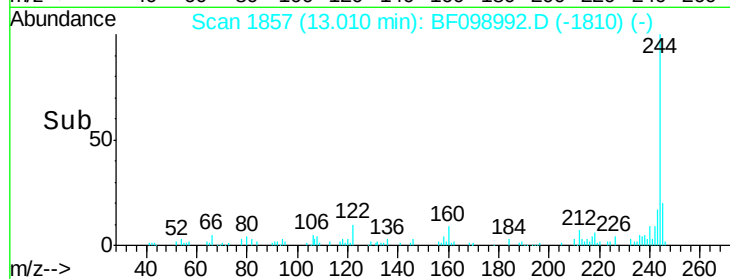
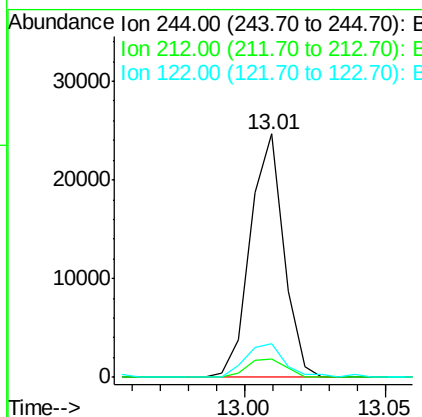
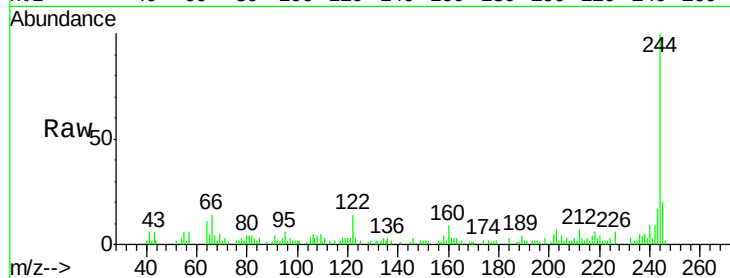




#78
 Terphenyl-d14
 Concen: 1.79 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

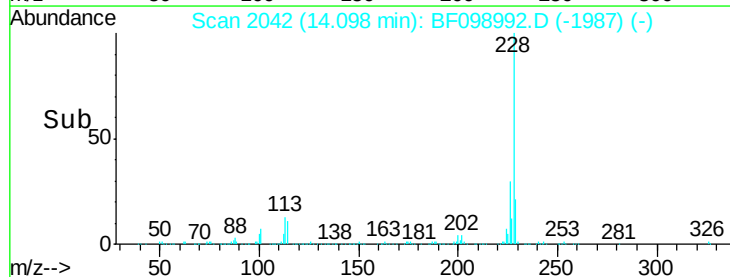
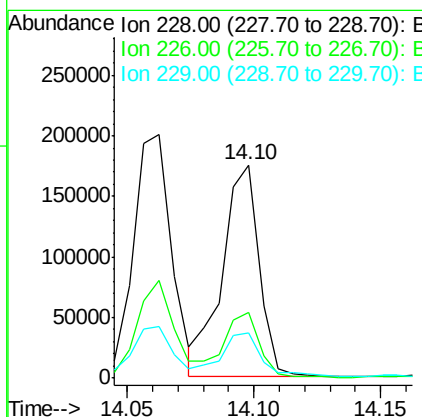
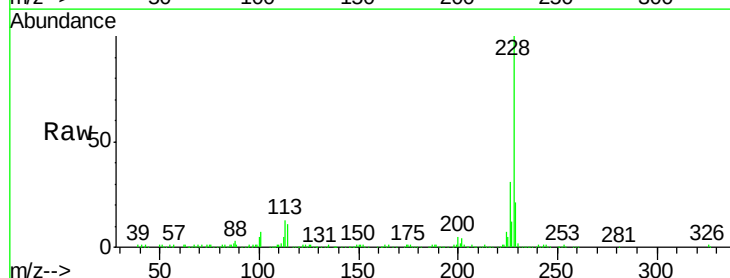
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

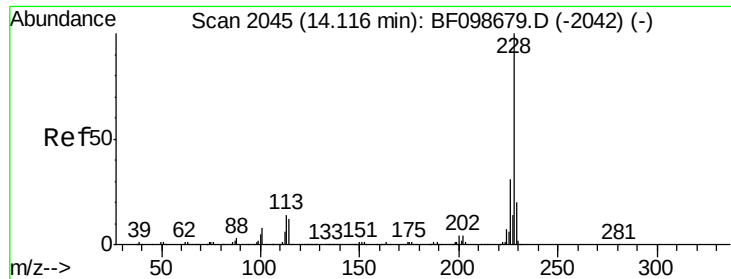
Tot Ion:244 Resp: 20243
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 13.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 11.40 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. 0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Tgt Ion:228 Resp: 177267
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.6 33.8
 229 21.4 15.8 23.6

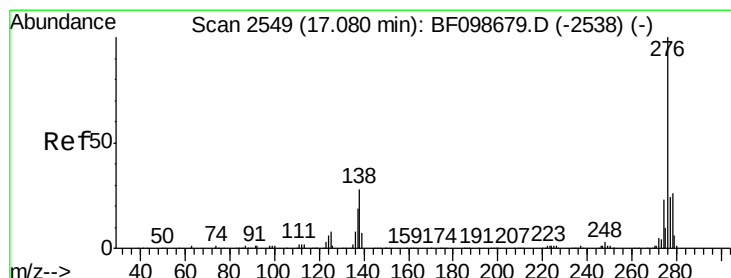
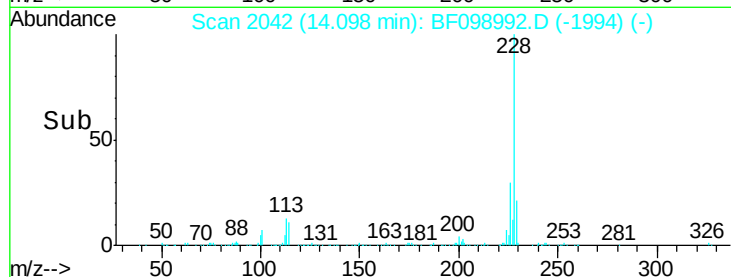
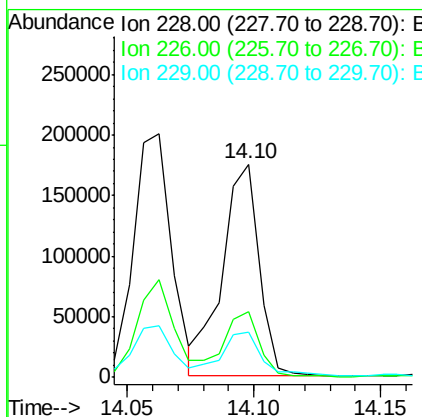
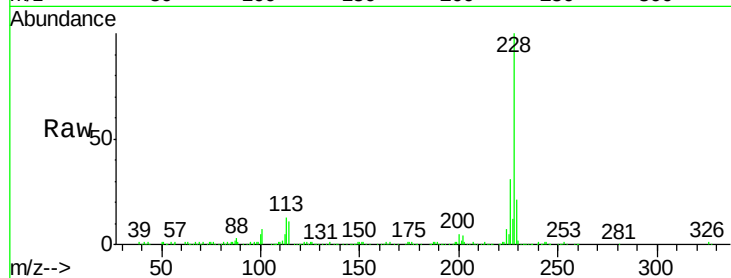




#82
 Chrysene
 Concen: 11.97 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

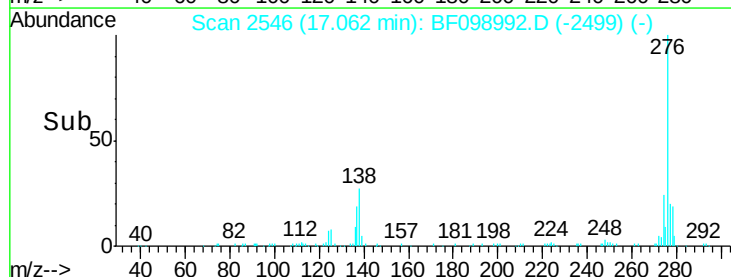
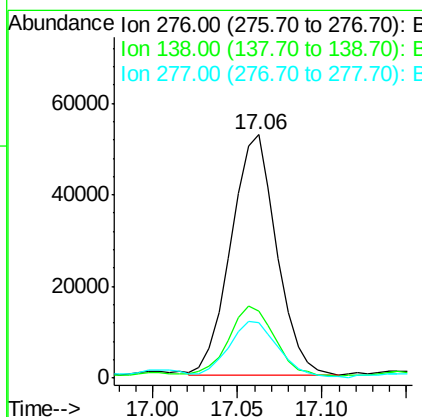
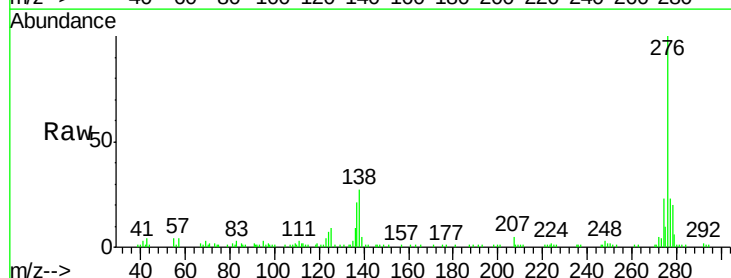
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

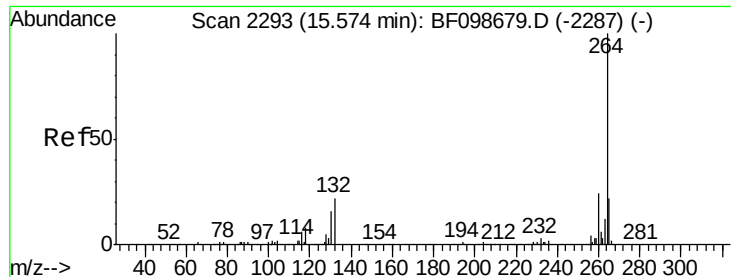
Tot Ion:228 Resp: 177267
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.0 37.6
 229 21.4 16.2 24.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.28 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Tgt Ion:276 Resp: 98100
 Ion Ratio Lower Upper
 276 100
 138 29.2 25.0 37.6
 277 26.4 20.1 30.1

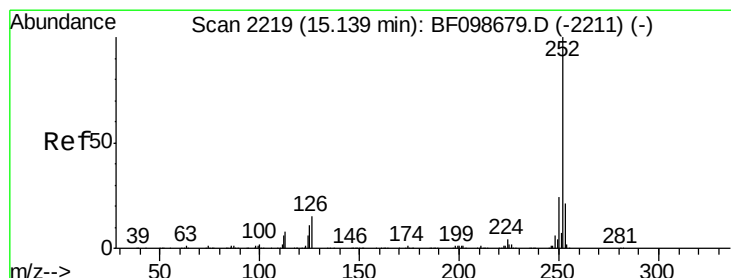
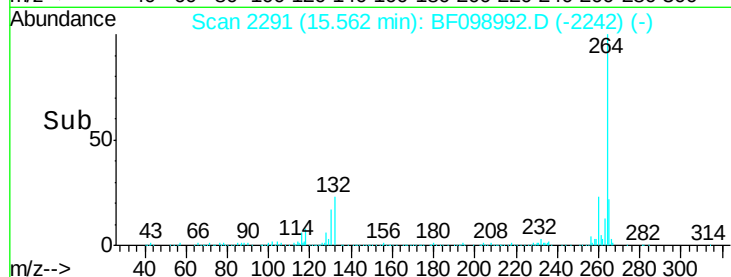
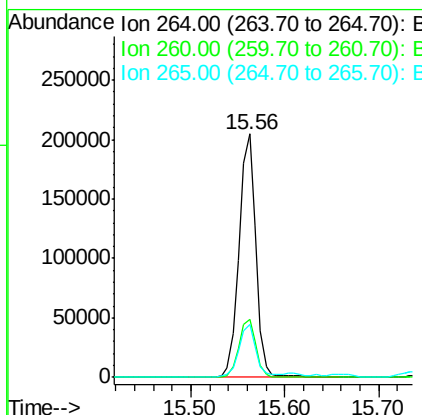
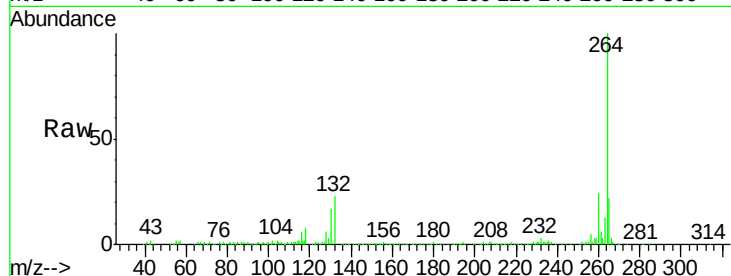




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

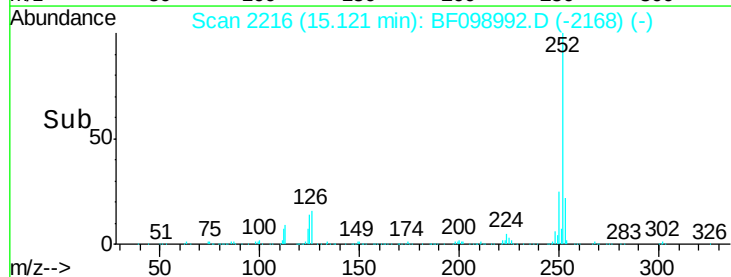
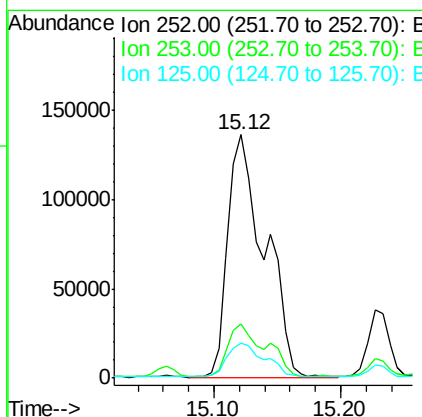
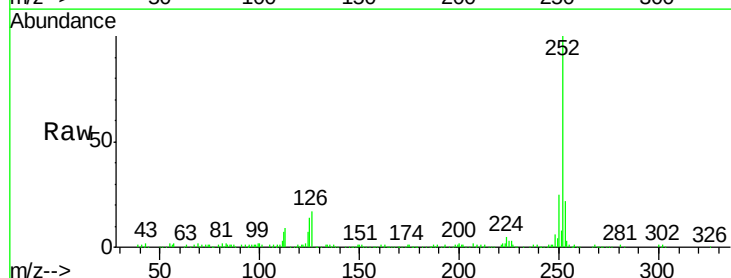
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

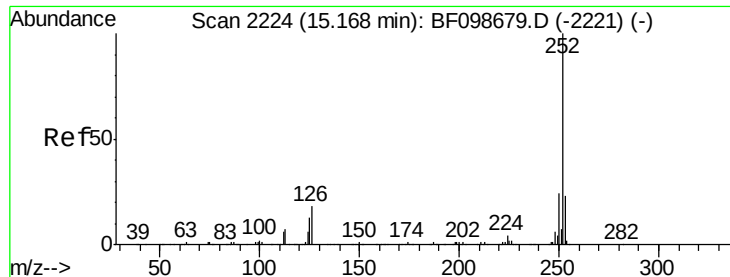
Tot Ion:264 Resp: 254277
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 17.51 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion:252 Resp: 273676
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 14.3 9.0 13.6#

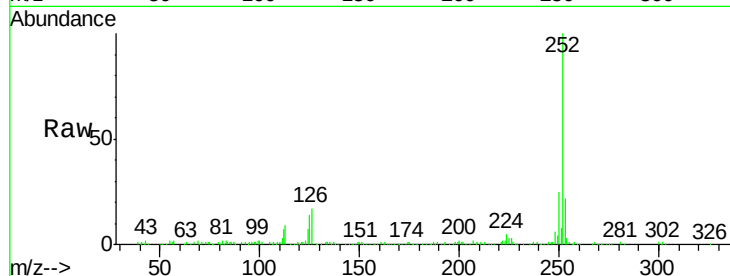




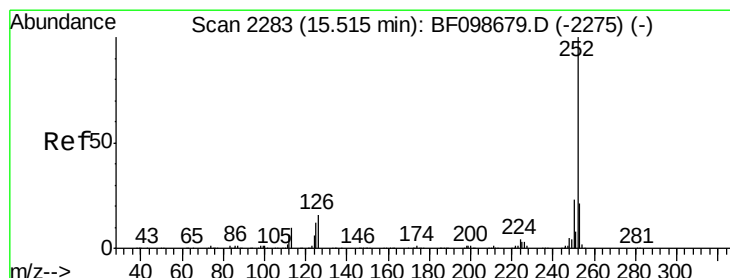
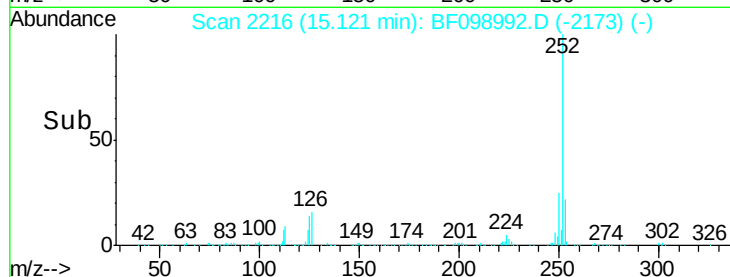
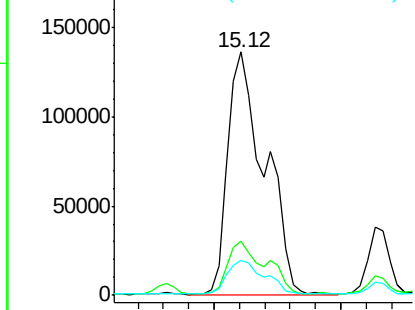
#88
Benzo(k)fluoranthene
Concen: 17.72 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7DL

Tot Ion:252 Resp: 273676
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 14.3 10.2 15.2

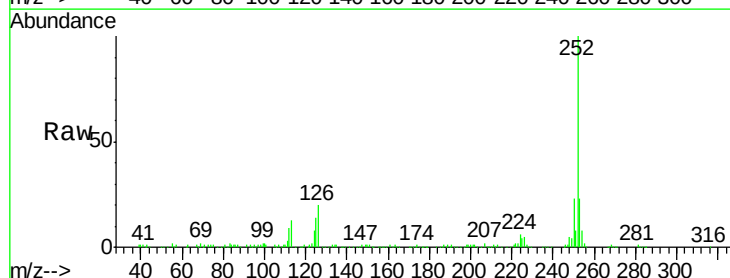


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

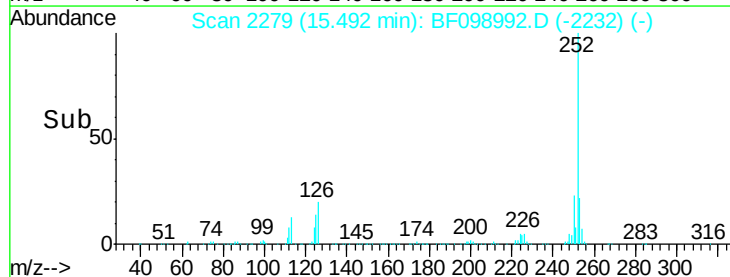
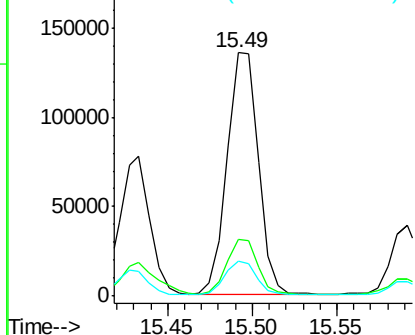


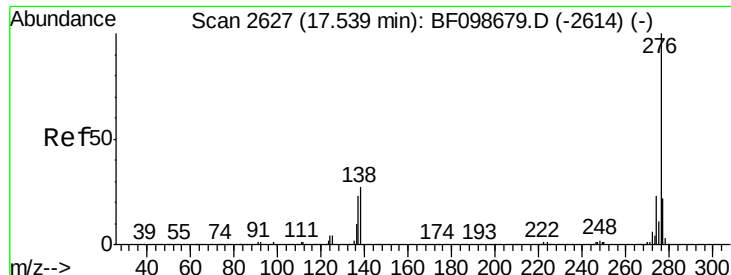
#89
Benzo(a)pyrene
Concen: 12.21 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF098992.D
Acq: 1 Oct 2017 15:16

Tgt Ion:252 Resp: 175261
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 14.4 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

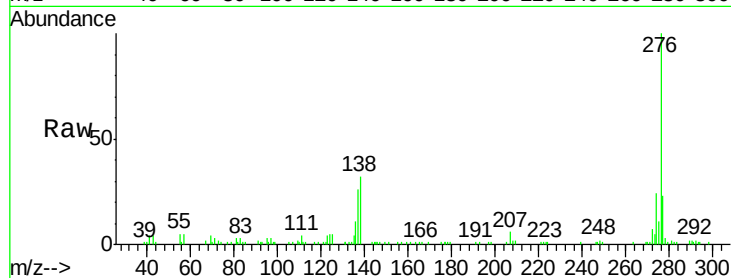




#91
 Benzo(a,h,i)perylene
 Concen: 8.27 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.03 min
 Lab File: BF098992.D
 Acq: 1 Oct 2017 15:16

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	31.9	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

