

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097579.D
 Acq On : 11 Aug 2017 1:06
 Operator : SJ/JU
 Sample : I4697-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3A

Quant Time: Aug 11 01:45:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

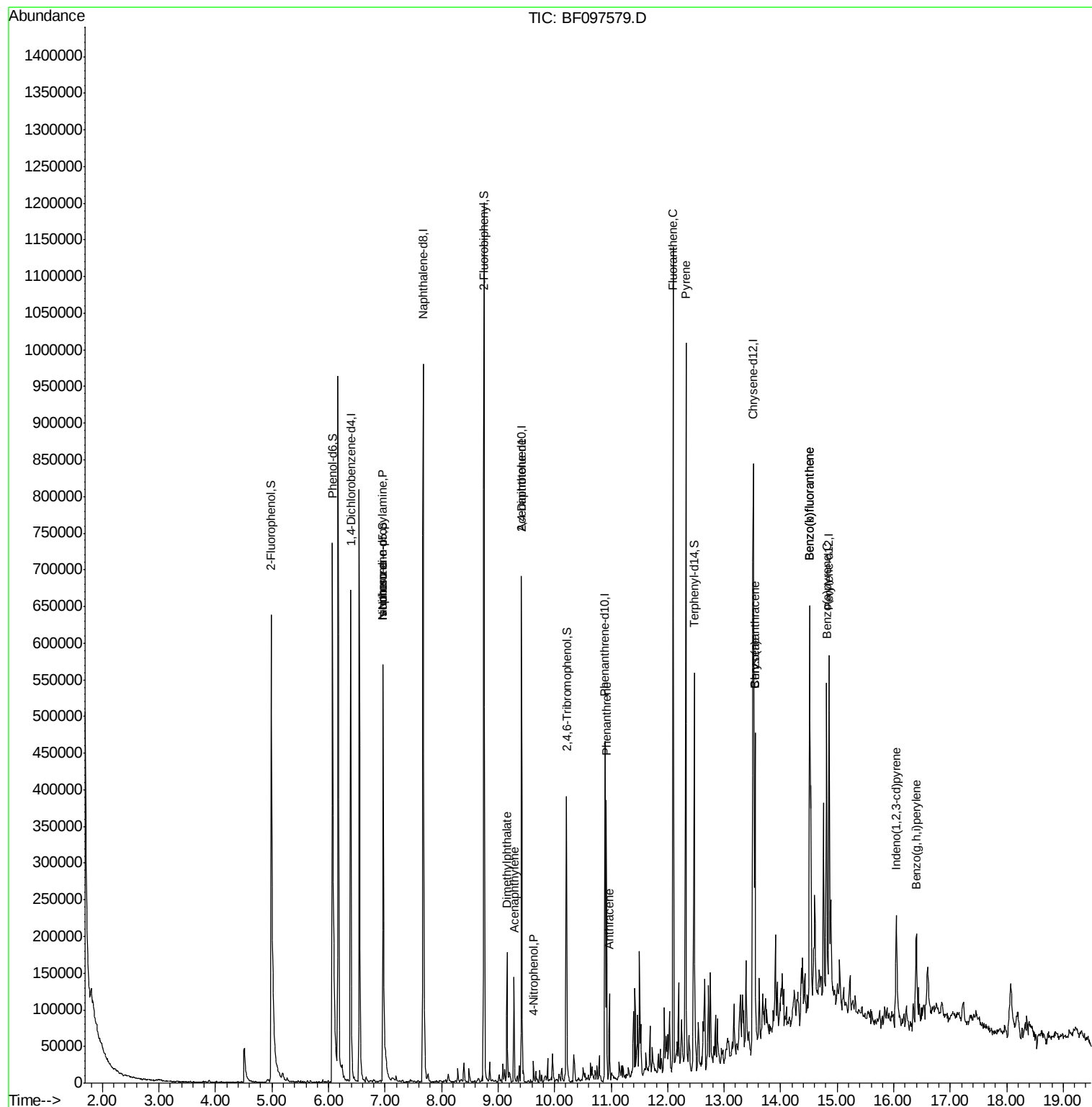
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	115874	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	447152	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	127973	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	165538	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	169270	20.00	ng	-0.02
86) Perylene-d12	14.86	264	179329	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	324272	42.19	ng	-0.02
7) Phenol-d6	6.07	99	394997	45.01	ng	-0.02
23) Nitrobenzene-d5	6.96	82	217829	28.58	ng	-0.03
41) 2,4,6-Tribromophenol	10.21	330	36098	35.70	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	343315	45.53	ng	-0.02
78) Terphenyl-d14	12.47	244	158942	19.14	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.96	70	28987	5.02	ng	# 84
25) Isophorone	6.96	82	217828	14.59	ng	# 67
48) Acenaphthylene	9.28	152	62507	5.06	ng	98
49) Dimethylphthalate	9.16	163	65185	6.71	ng	97
55) 4-Nitrophenol	9.63	139	3250	2.14	ng	# 25
56) 2,4-Dinitrotoluene	9.42	165	17053	7.20	ng	# 34
70) Phenanthrene	10.92	178	143492	16.18	ng	97
71) Anthracene	10.97	178	45108	4.97	ng	99
74) Fluoranthene	12.10	202	422696	48.65	ng	98
77) Pyrene	12.32	202	372876	26.91	ng	99
80) Benzo(a)anthracene	13.54	228	146672	13.39	ng	94
82) Chrysene	13.54	228	146672	13.71	ng	97
85) Indeno(1,2,3-cd)pyrene	16.04	276	79313	8.65	ng	91
87) Benzo(b)fluoranthene	14.52	252	305856	28.37	ng	97
88) Benzo(k)fluoranthene	14.52	252	305856	29.77	ng	98
89) Benzo(a)pyrene	14.81	252	169538	17.18	ng	98
91) Benzo(a,h,i)perylene	16.40	276	70258	8.28	ng	92

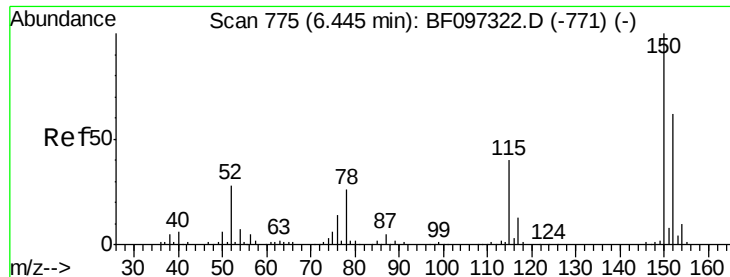
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.39 min Scan# 800

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

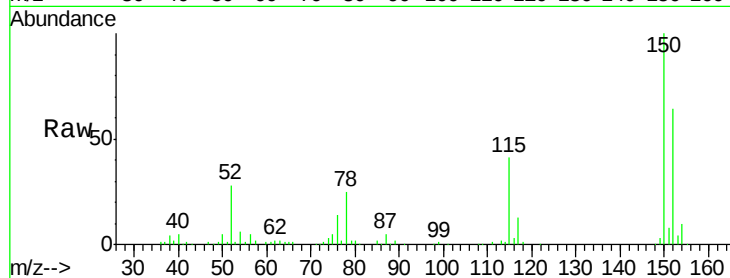
Tot Ion:152 Resp: 115874

Ion Ratio Lower Upper

152 100

150 156.1 126.2 189.2

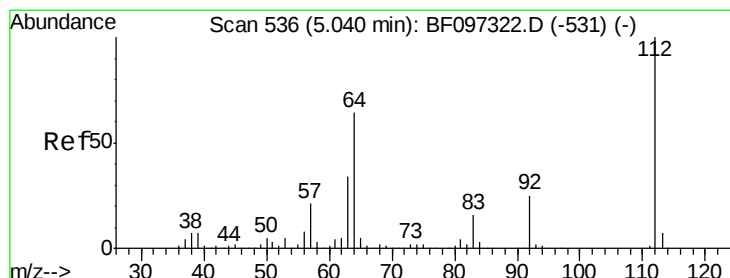
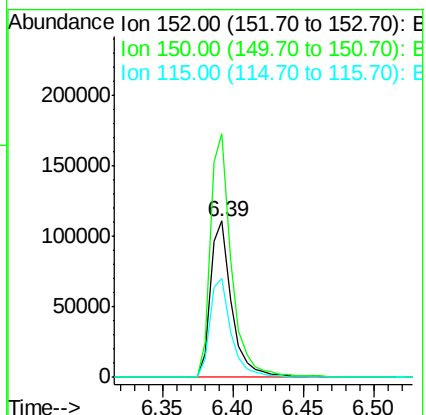
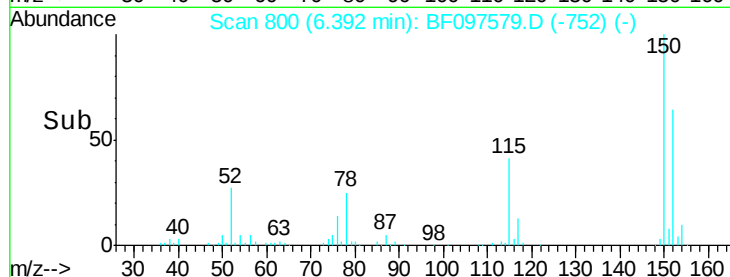
115 63.3 52.2 78.2



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: 42.19 ng

RT: 4.99 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

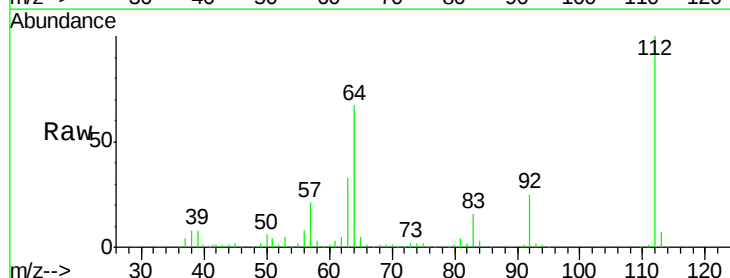
Tgt Ion:112 Resp: 324272

Ion Ratio Lower Upper

112 100

64 67.2 46.0 69.0

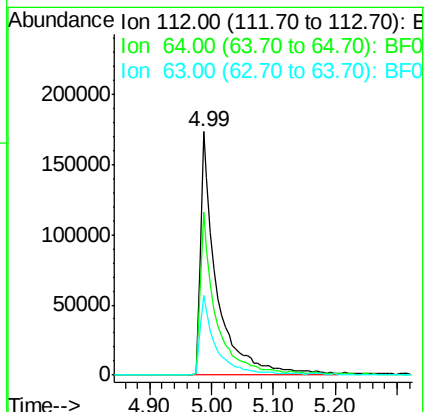
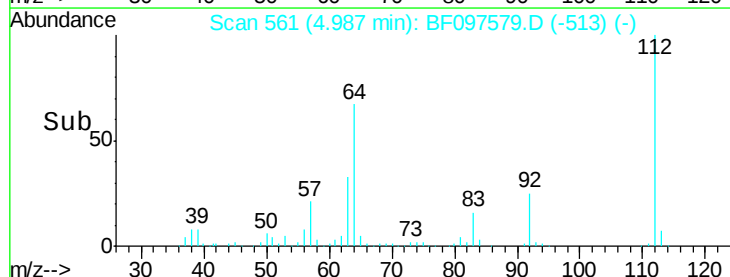
63 32.8 23.4 35.0



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: 45.01 ng

RT: 6.07 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

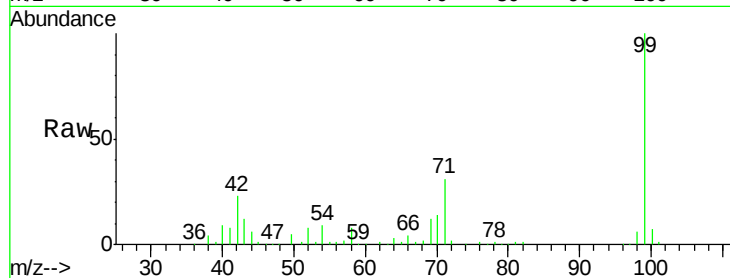
Tot Ion: 99 Resp: 394997

Ion Ratio Lower Upper

99 100

42 23.0 13.5 20.3#

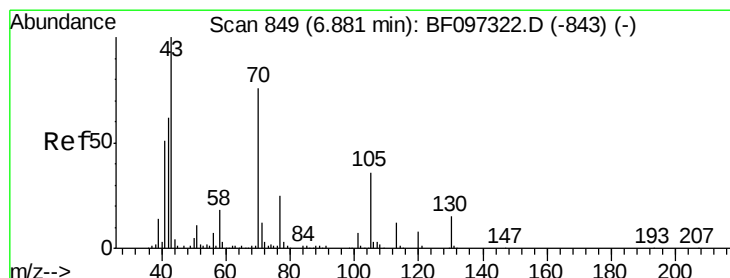
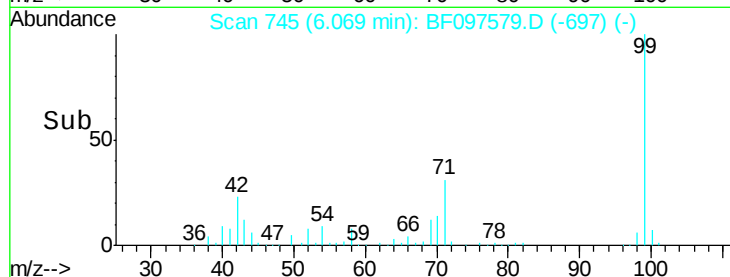
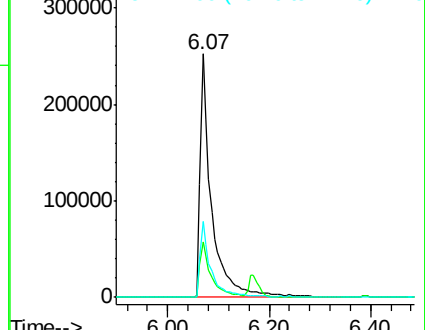
71 31.4 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.02 ng

RT: 6.96 min Scan# 897

Delta R.T. 0.11 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Tgt Ion: 70 Resp: 28987

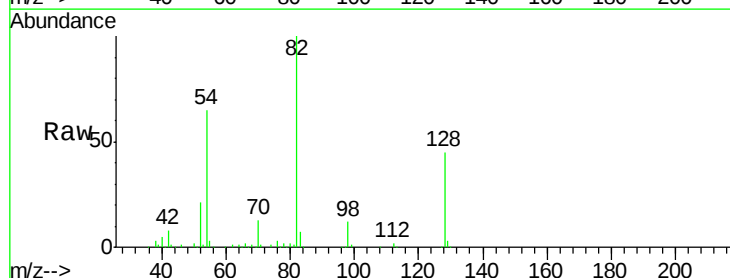
Ion Ratio Lower Upper

70 100

42 64.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

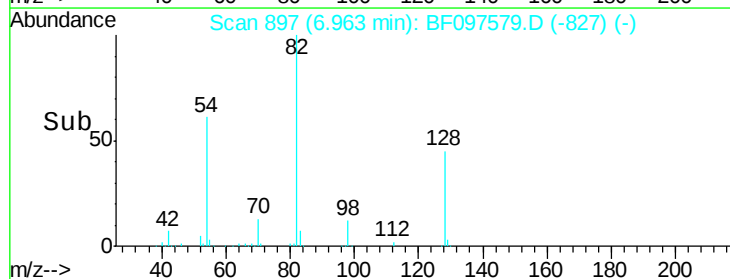
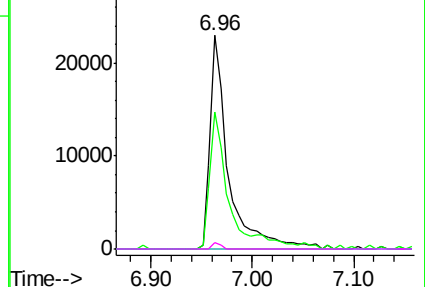


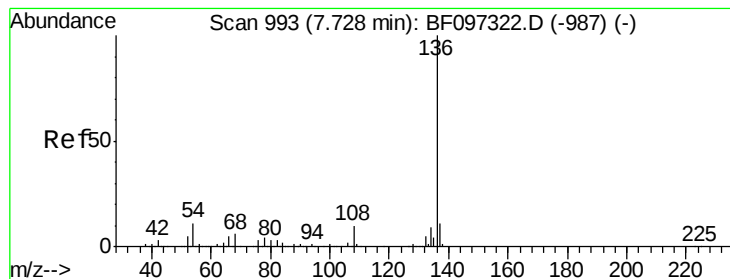
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.67 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

Tot Ion:136 Resp: 447152

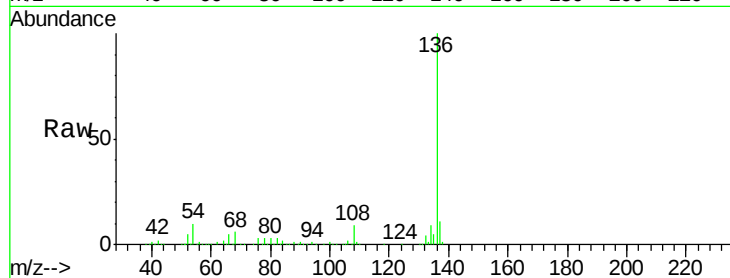
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.2 4.9 7.3#

68 5.7 4.1 6.1

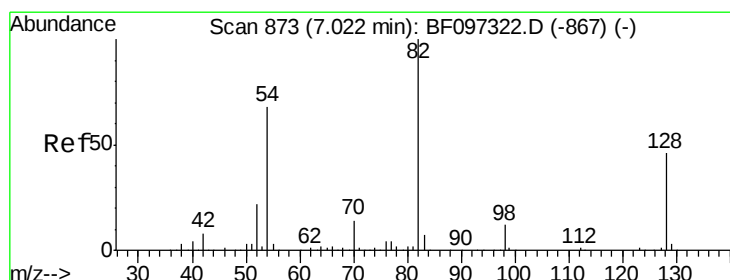
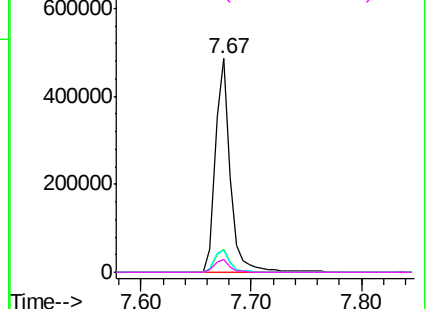
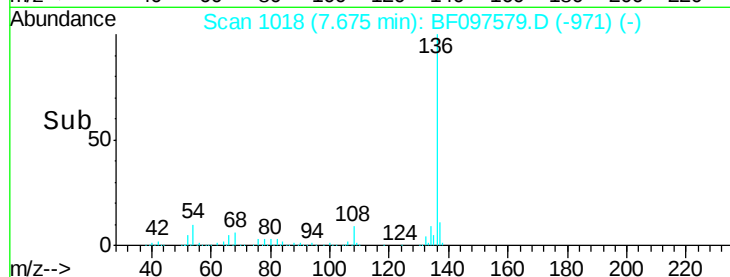


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.58 ng

RT: 6.96 min Scan# 897

Delta R.T. -0.03 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

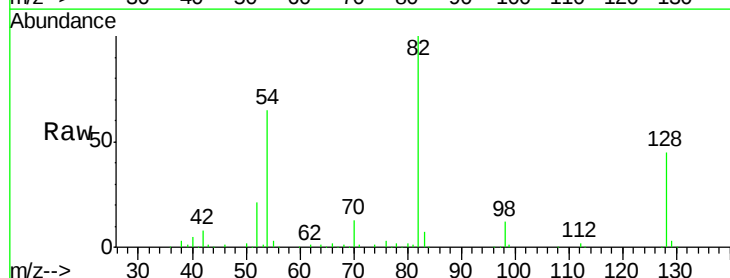
Tgt Ion: 82 Resp: 217829

Ion Ratio Lower Upper

82 100

128 44.9 34.0 51.0

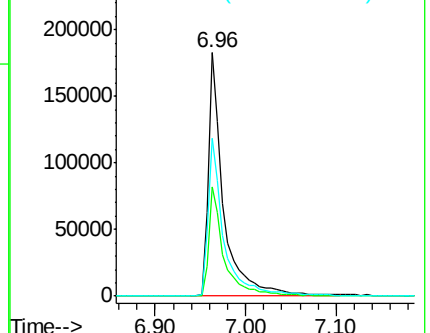
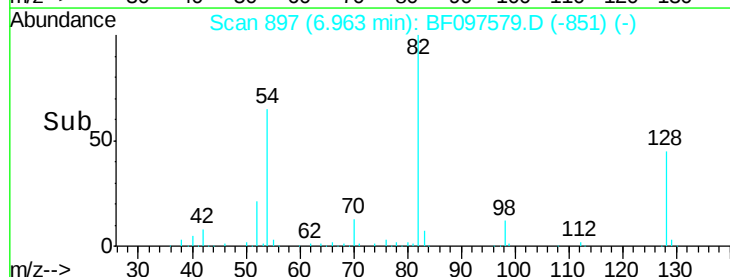
54 65.0 42.2 63.2#

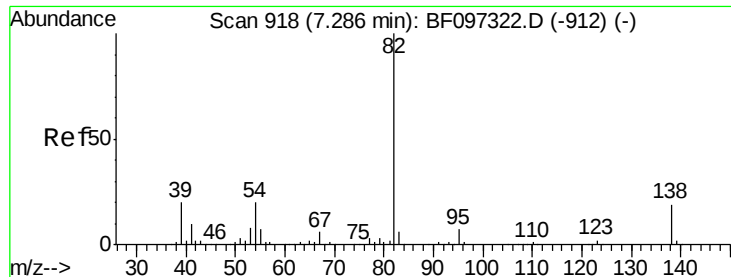


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 14.59 ng

RT: 6.96 min Scan# 897

Delta R.T. -0.29 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

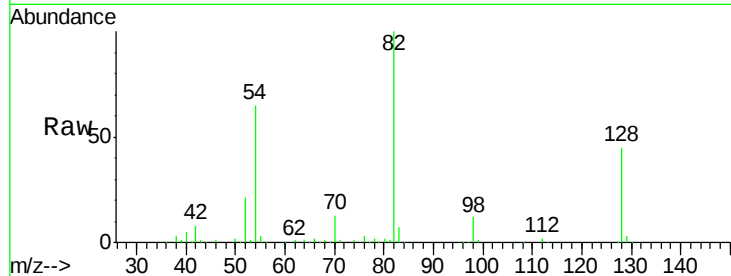
Tot Ion: 82 Resp: 217828

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

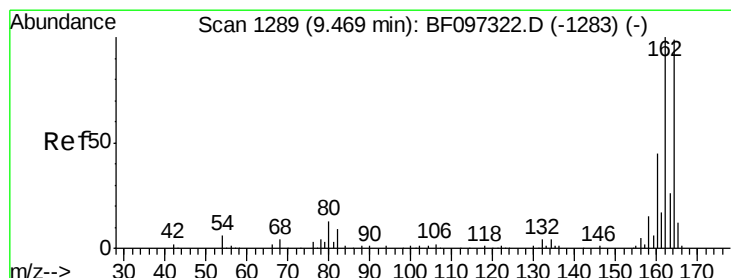
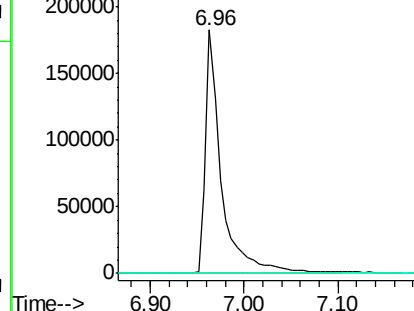
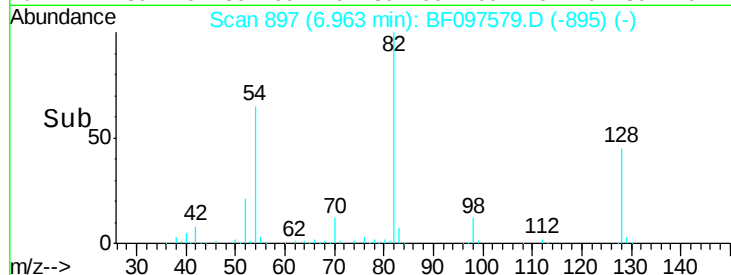
138 0.0 13.1 19.7#



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: 9.42 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

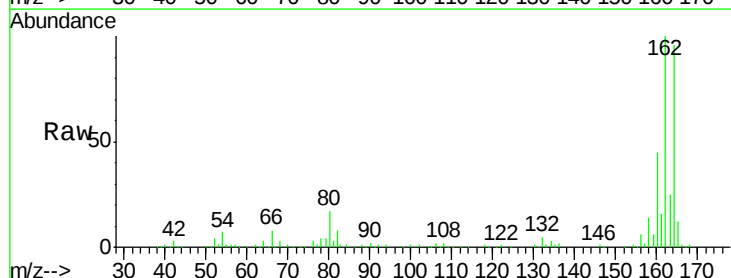
Tgt Ion: 164 Resp: 127973

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

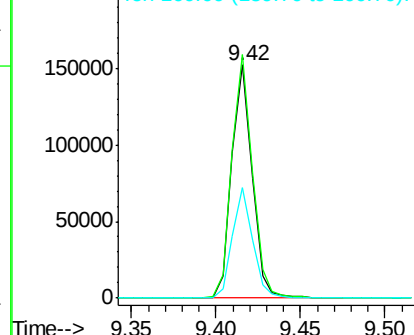
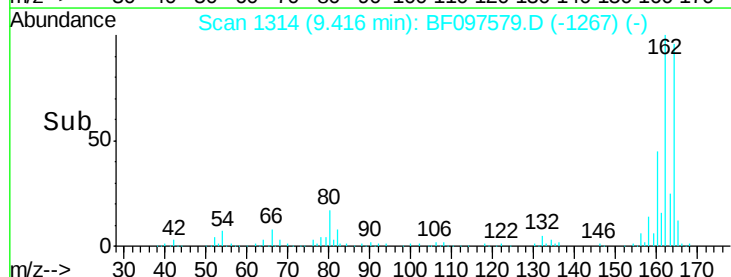
160 47.2 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

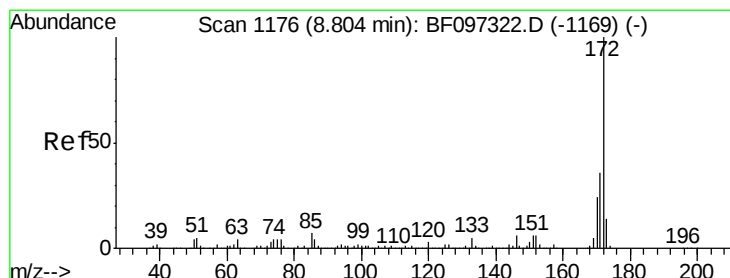
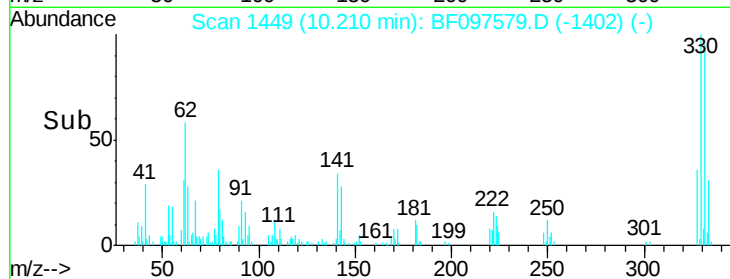
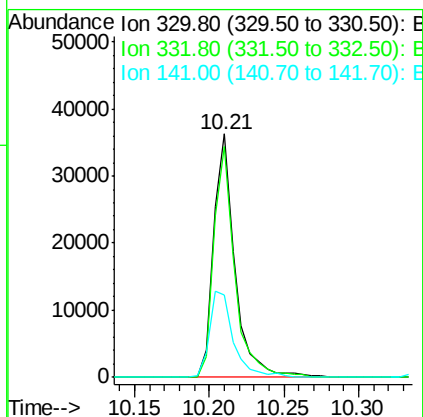
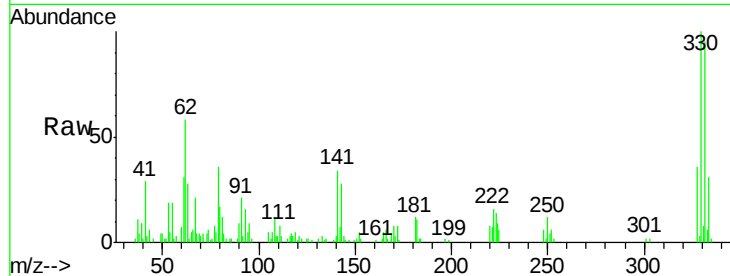




#41
 2,4,6-Tribromophenol
 Concen: 35.70 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

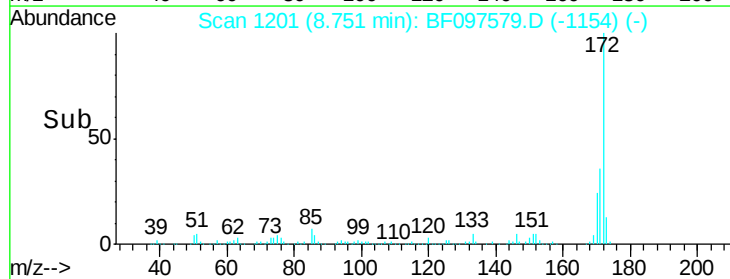
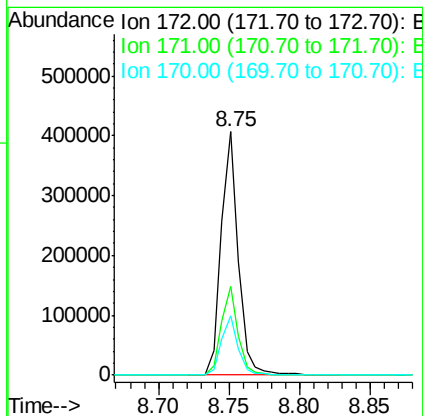
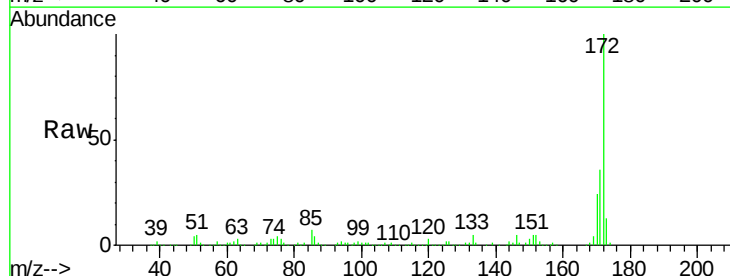
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 NYSEG-PH4-ESMI-3A

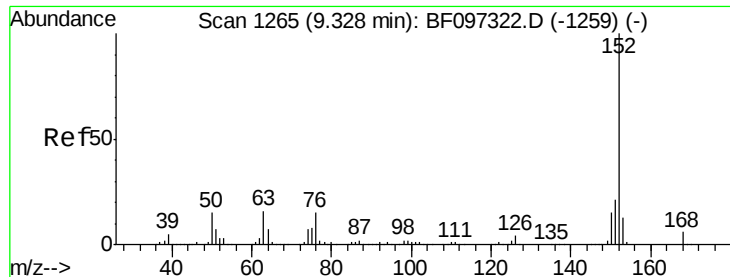
Tot Ion:330 Resp: 36098
 Ion Ratio Lower Upper
 330 100
 332 93.3 76.6 115.0
 141 39.5 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 45.53 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

Tgt Ion:172 Resp: 343315
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.4 19.8 29.8

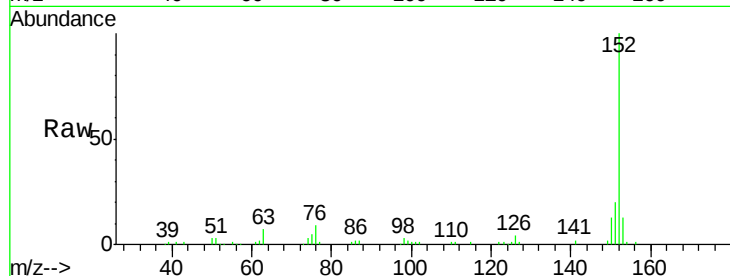




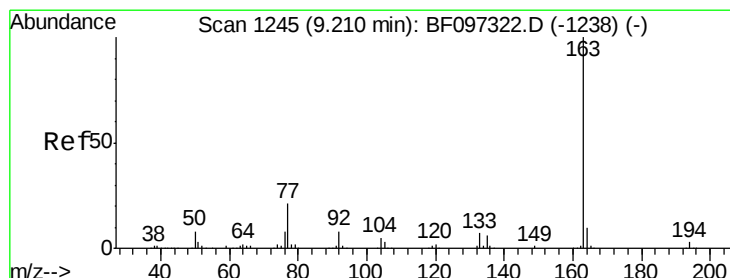
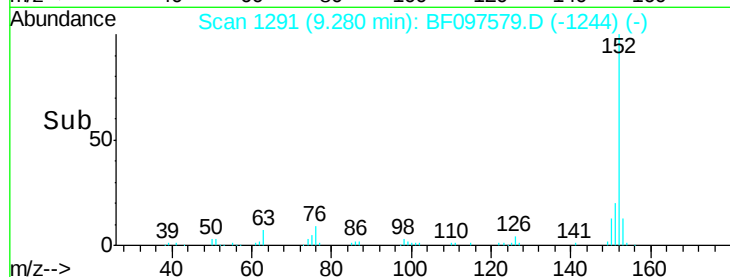
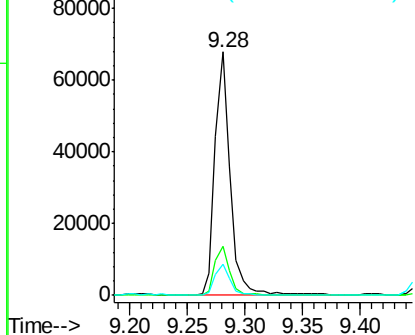
#48
Acenaphthylene
Concen: 5.06 ng
RT: 9.28 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3A

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.8	25.2
153	12.7	10.8	16.2

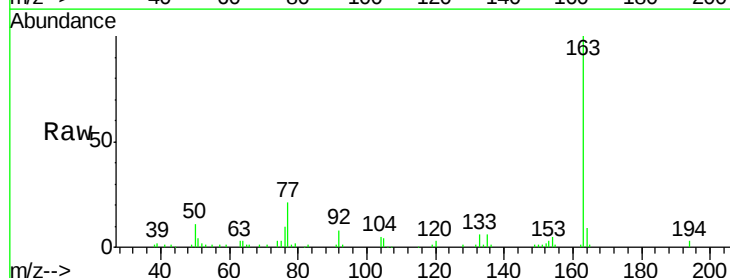


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

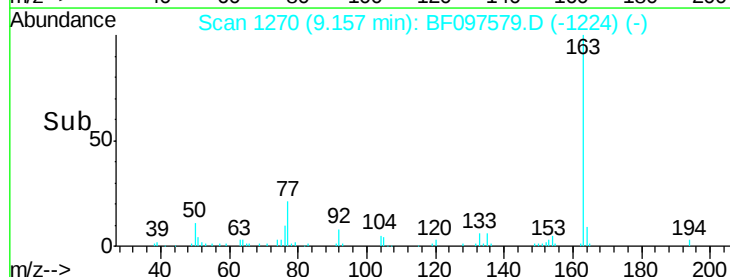
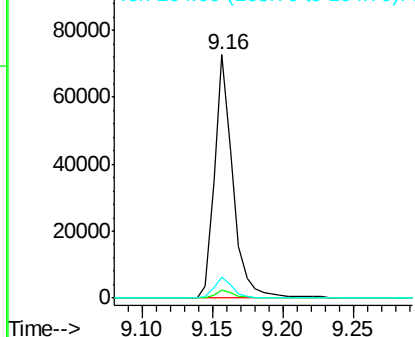


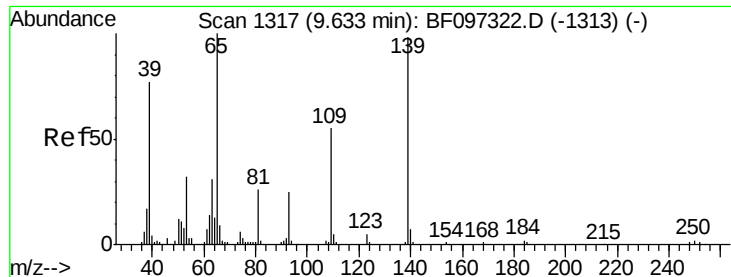
#49
Dimethylphthalate
Concen: 6.71 ng
RT: 9.16 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	8.8	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

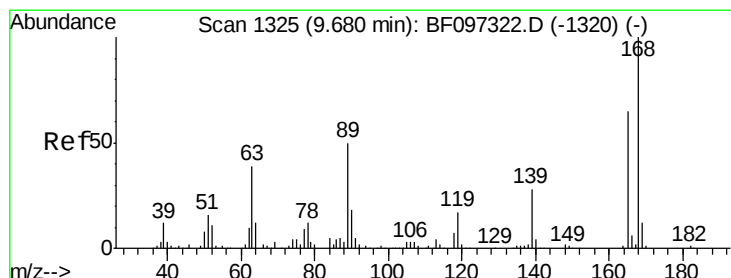
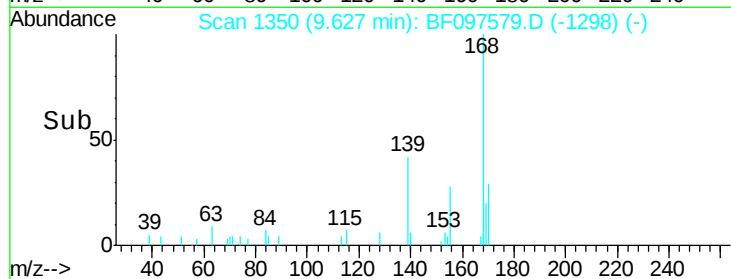
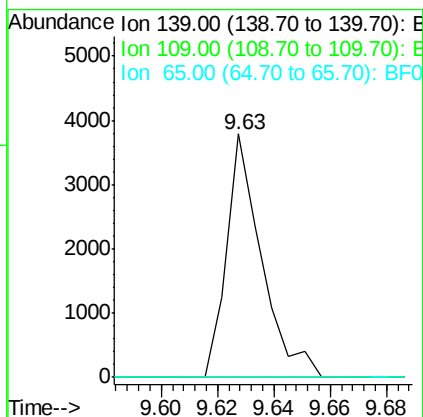
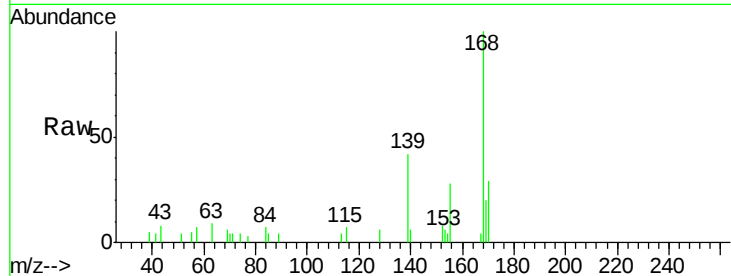




#55
4-Nitrophenol
Concen: 2.14 ng
RT: 9.63 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

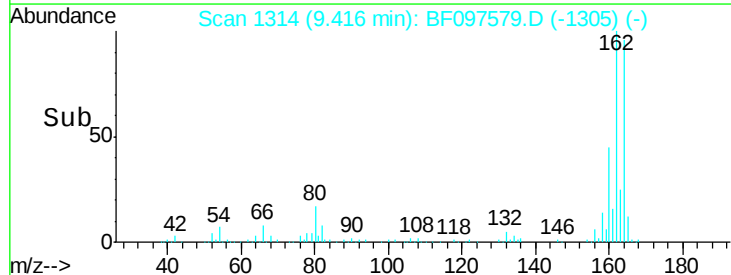
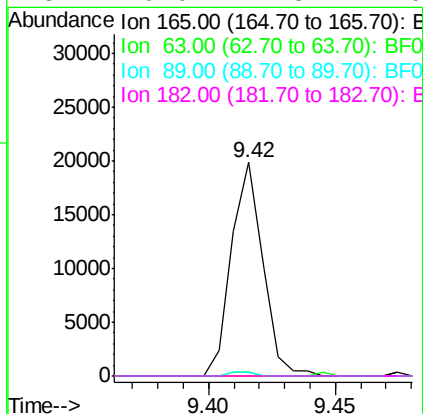
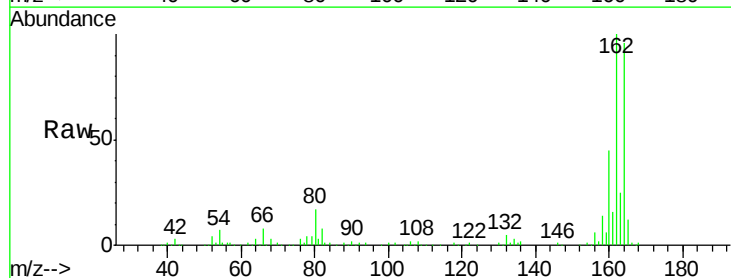
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3A

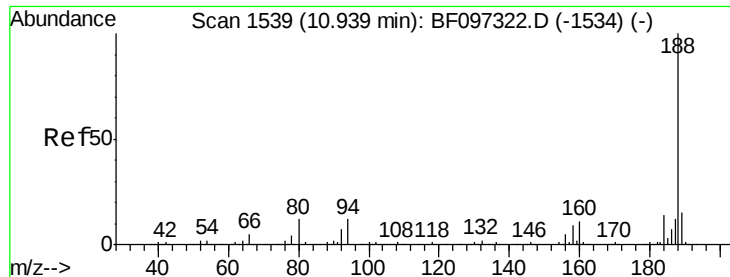
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#



#56
2,4-Dinitrotoluene
Concen: 7.20 ng
RT: 9.42 min Scan# 1314
Delta R.T. -0.25 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

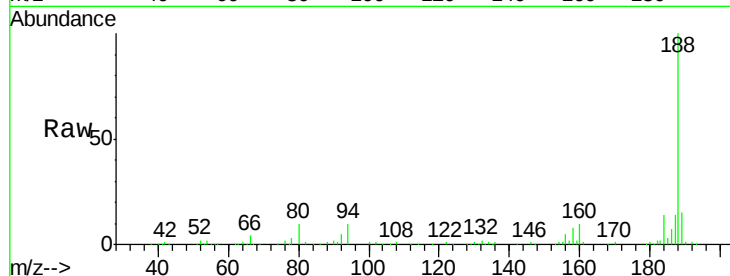




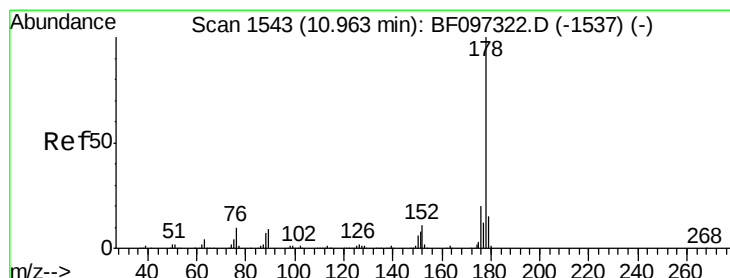
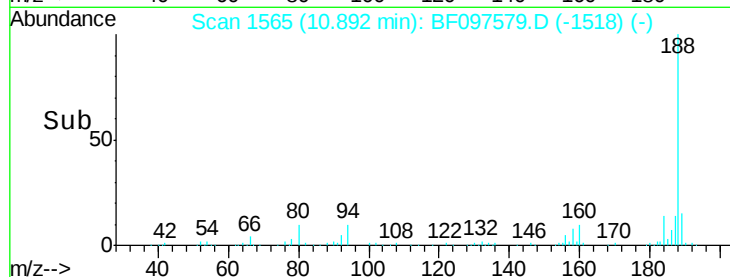
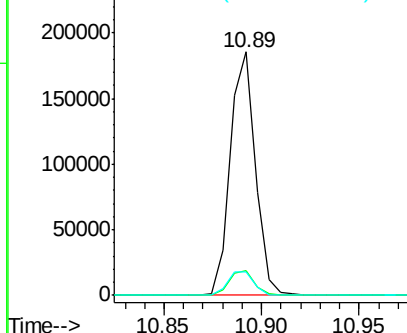
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3A

Tot Ion:188 Resp: 165538
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 9.8 10.2 15.2#

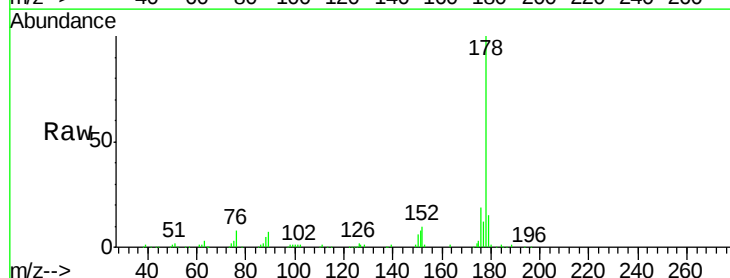


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

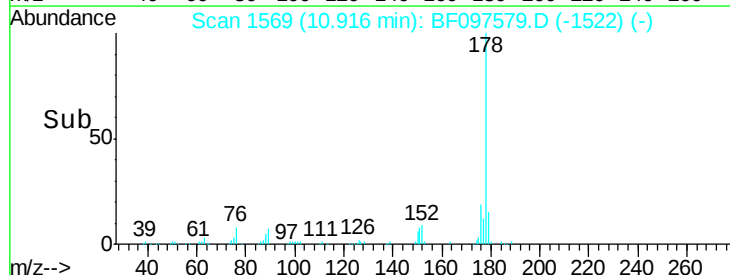
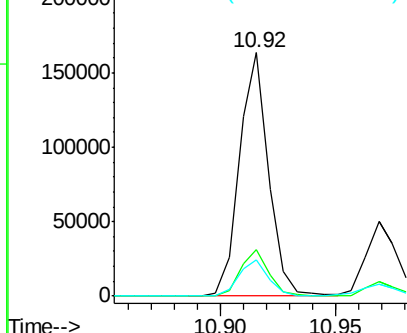


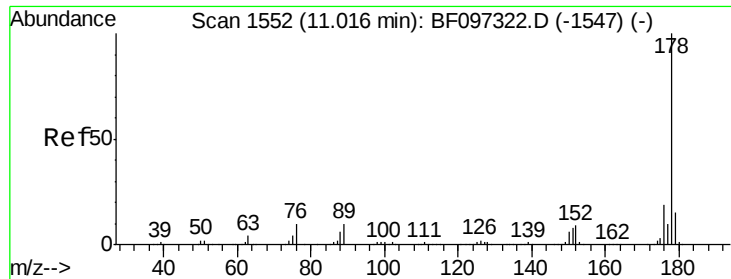
#70
Phenanthrene
Concen: 16.18 ng
RT: 10.92 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion:178 Resp: 143492
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 14.7 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

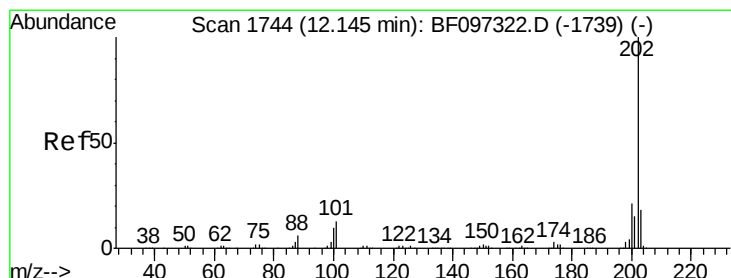
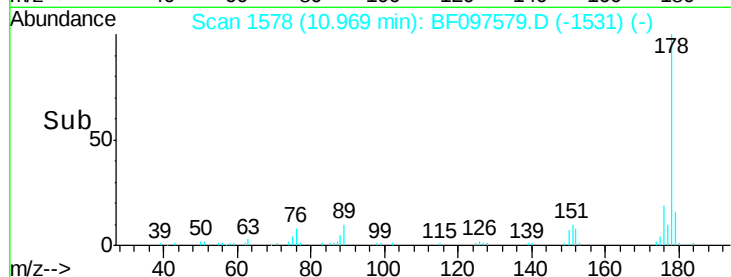
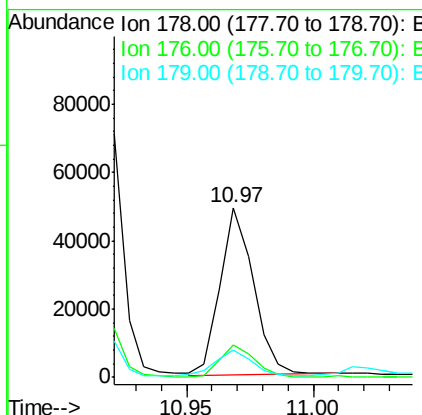
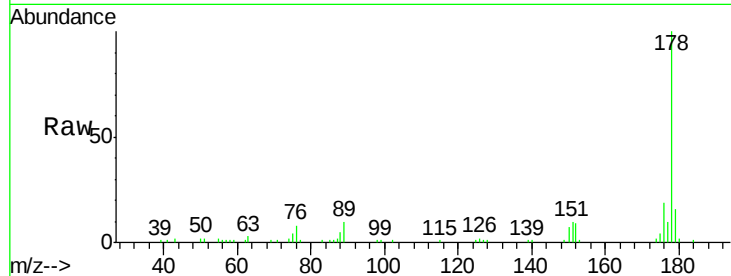




#71
 Anthracene
 Concen: 4.97 ng
 RT: 10.97 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

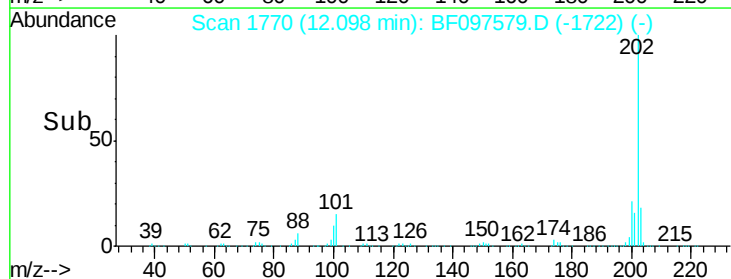
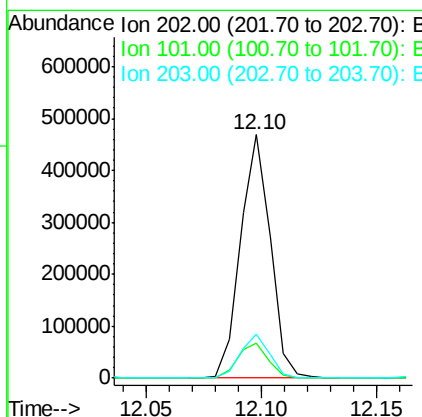
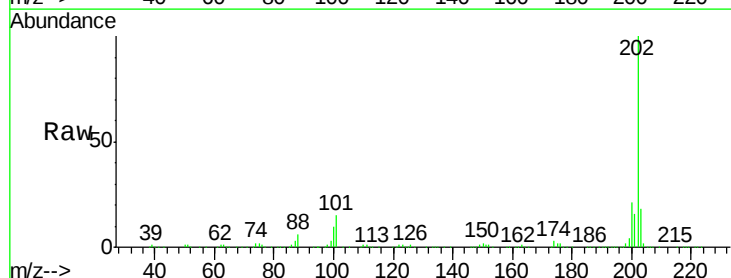
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-3A

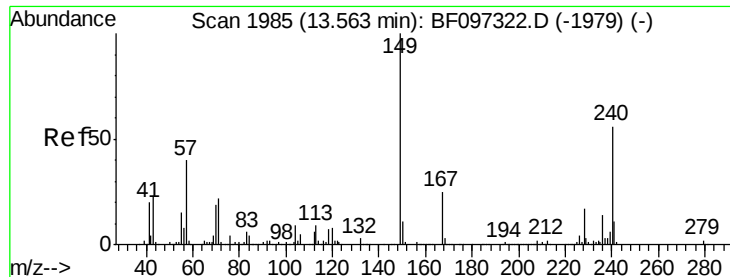
Tot Ion:178 Resp: 45108
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.9 12.7 19.1



#74
 Fluoranthene
 Concen: 48.65 ng
 RT: 12.10 min Scan# 1770
 Delta R.T. -0.02 min
 Lab File: BF097579.D
 Acq: 11 Aug 2017 1:06

Tgt Ion:202 Resp: 422696
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 33.2
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.52 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

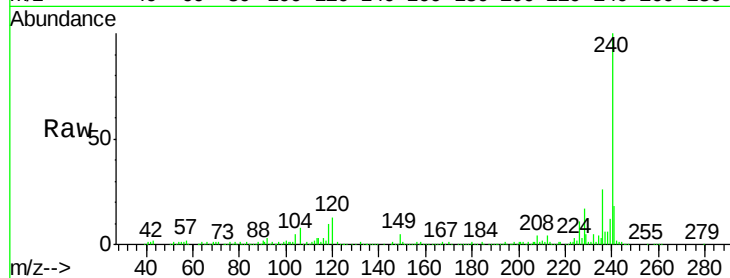
Tot Ion:240 Resp: 169270

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

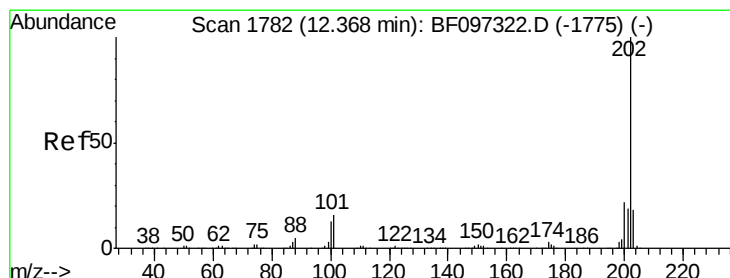
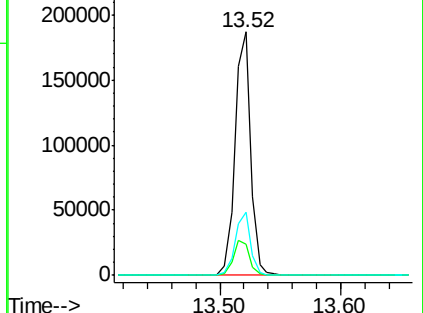
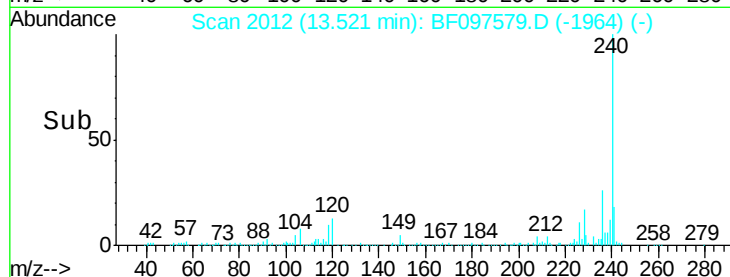
236 26.1 20.5 30.7



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

Pyrene

Concen: 26.91 ng

RT: 12.32 min Scan# 1808

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

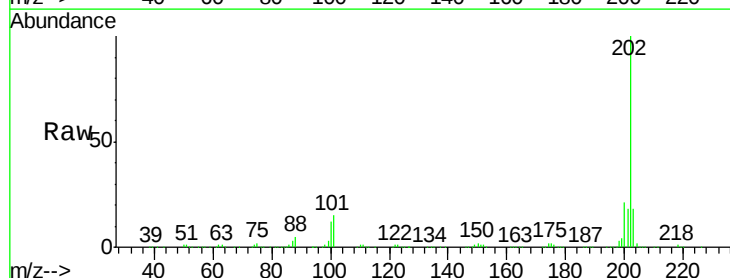
Tgt Ion:202 Resp: 372876

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

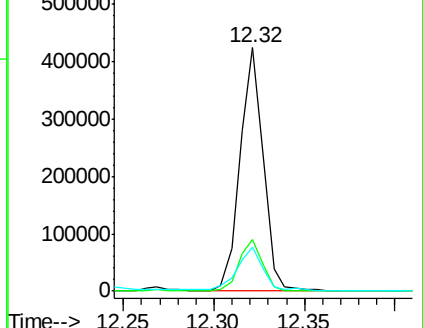
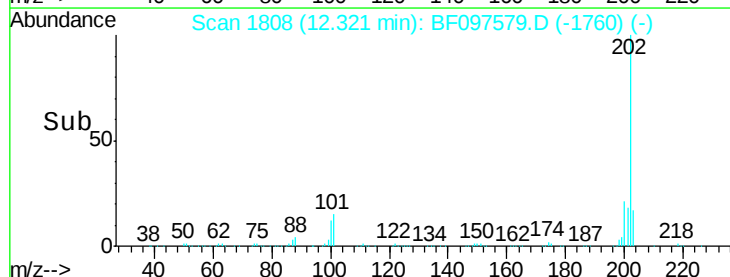
203 17.8 14.4 21.6

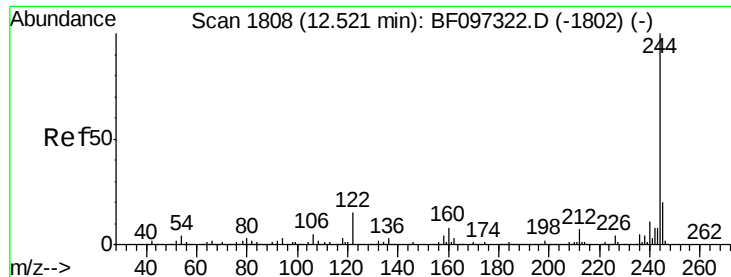


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.14 ng

RT: 12.47 min Scan# 1833

Delta R.T. -0.03 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

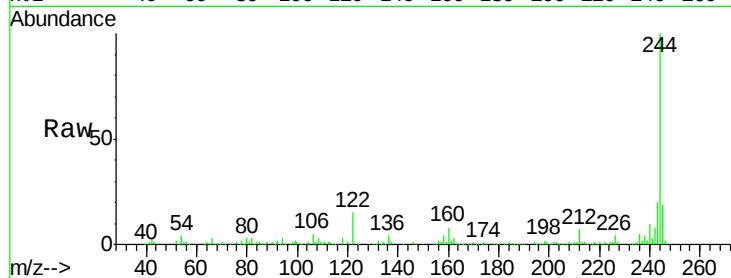
Tot Ion:244 Resp: 158942

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

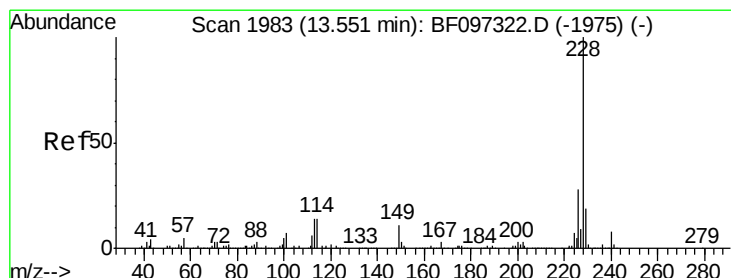
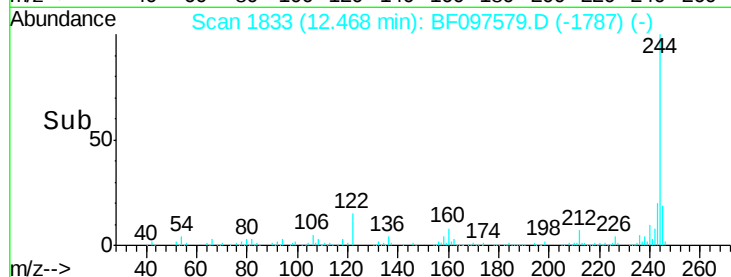
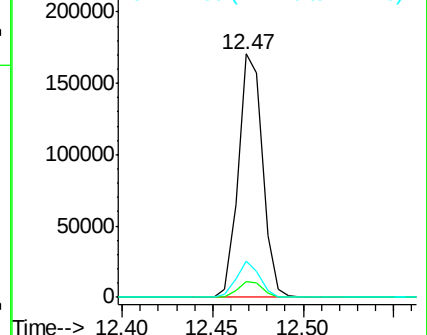
122 14.9 10.3 15.5



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: 13.39 ng

RT: 13.54 min Scan# 2016

Delta R.T. 0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

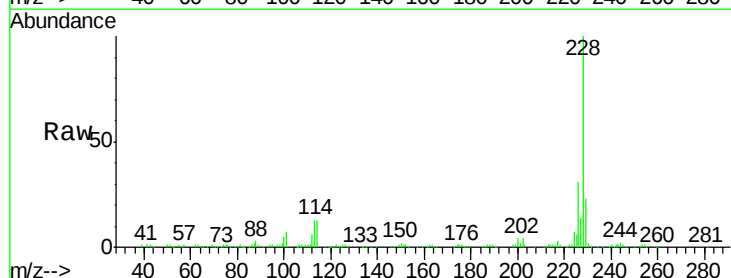
Tgt Ion:228 Resp: 146672

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

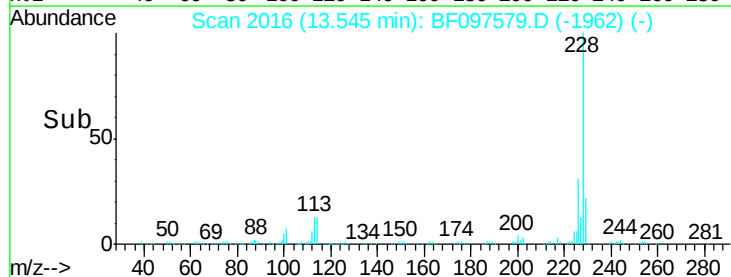
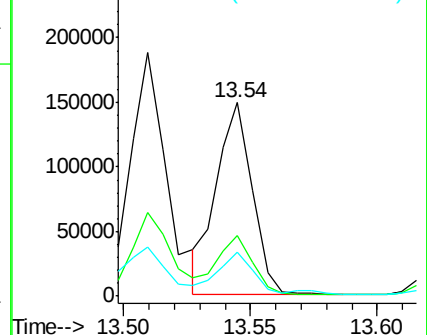
229 22.9 16.3 24.5

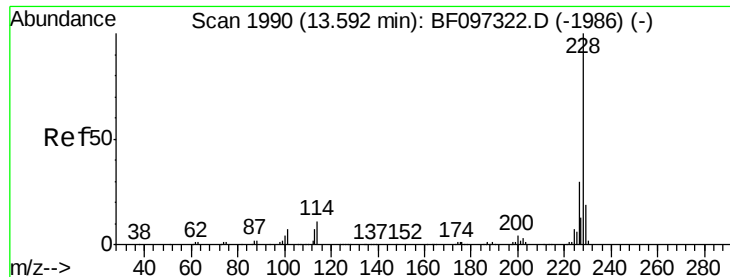


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.71 ng

RT: 13.54 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

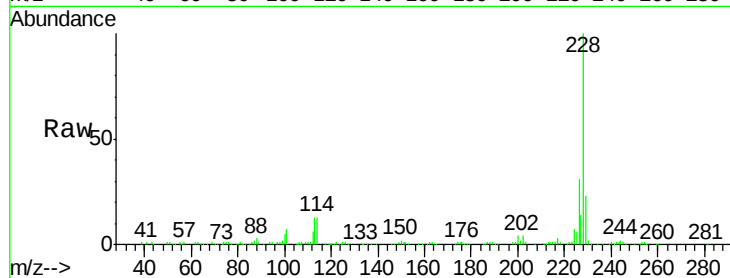
Tot Ion:228 Resp: 146672

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

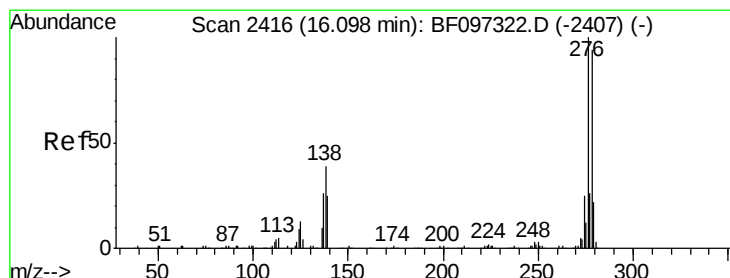
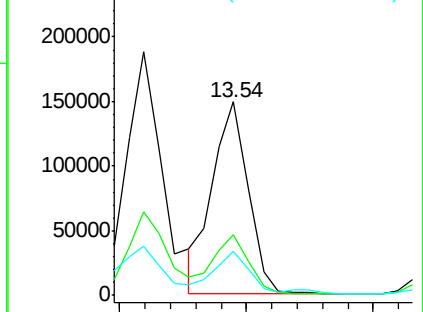
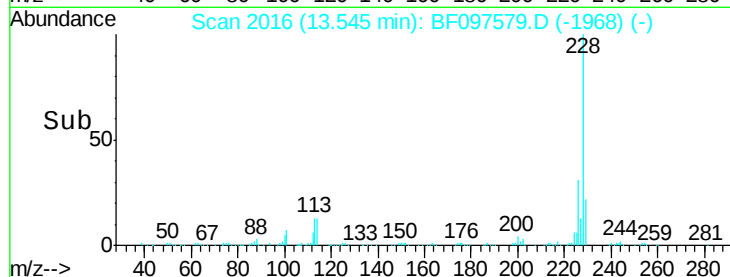
229 22.9 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.65 ng

RT: 16.04 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

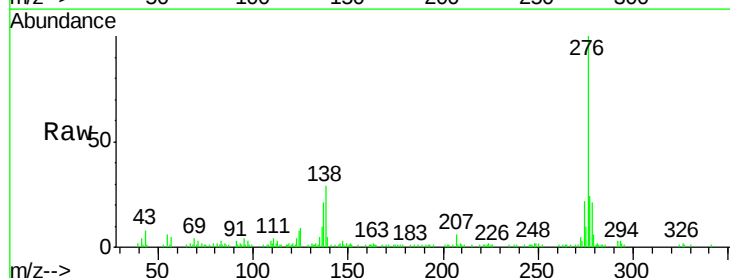
Tgt Ion:276 Resp: 79313

Ion Ratio Lower Upper

276 100

138 27.9 27.8 41.6

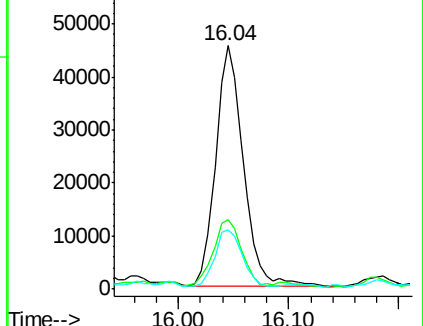
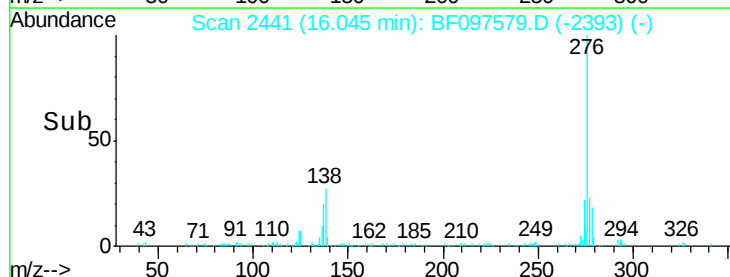
277 22.8 20.2 30.4

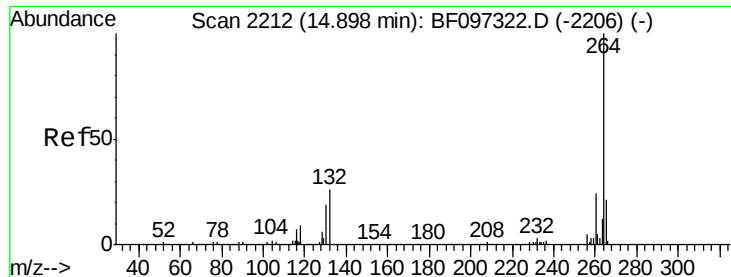


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

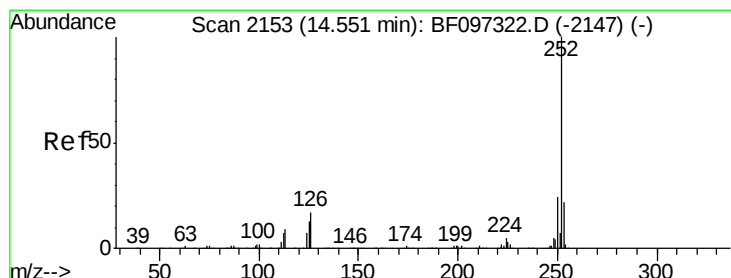
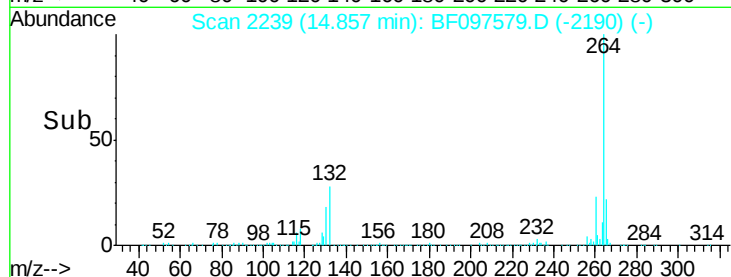
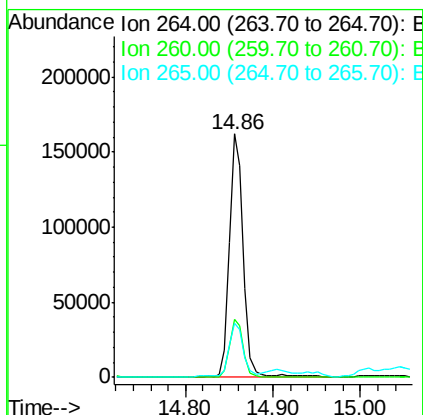
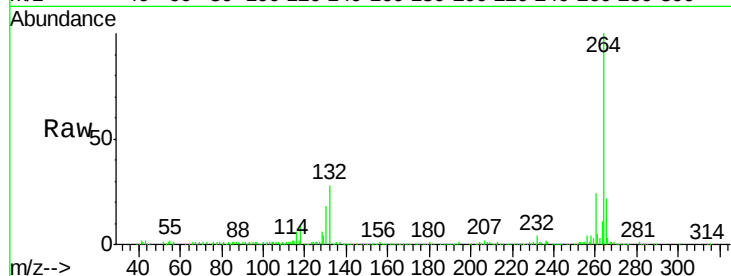




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

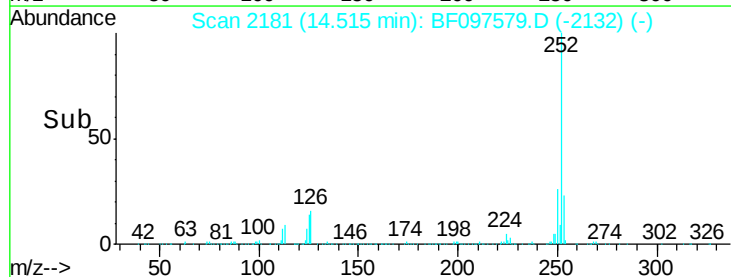
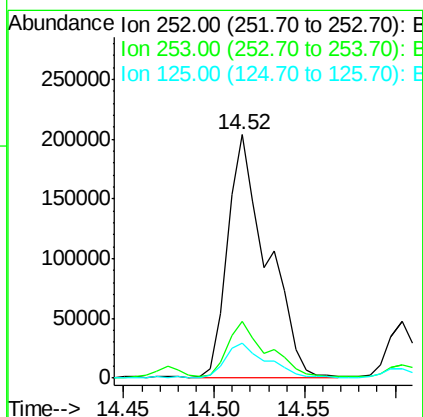
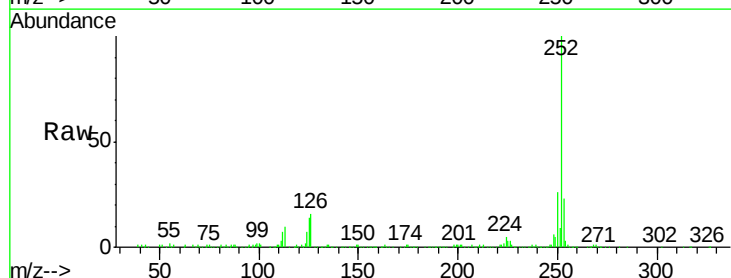
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3A

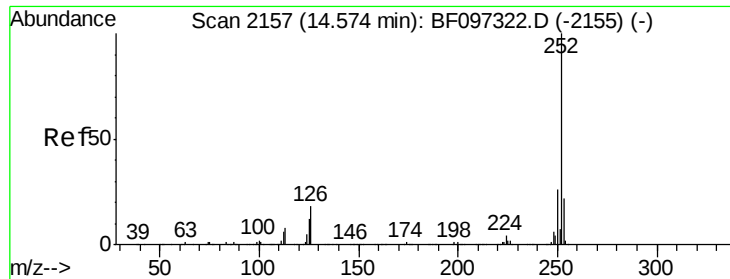
Tot Ion:264 Resp: 179329
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 22.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 28.37 ng
RT: 14.52 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion:252 Resp: 305856
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 14.5 9.8 14.8

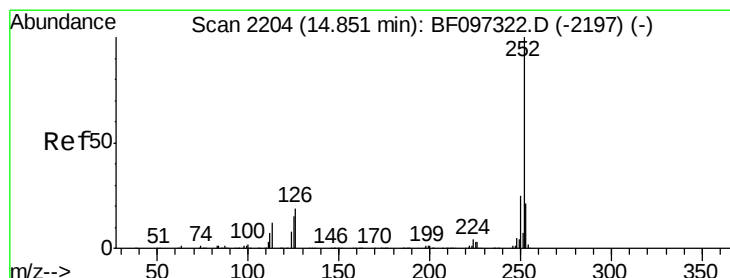
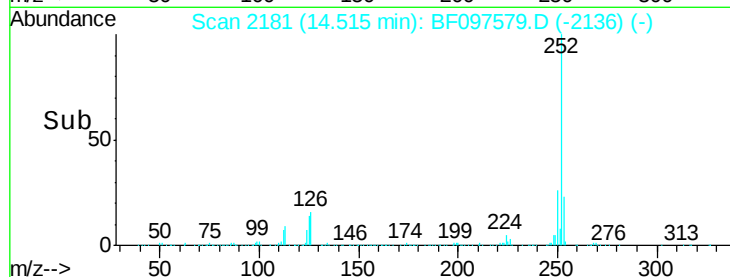
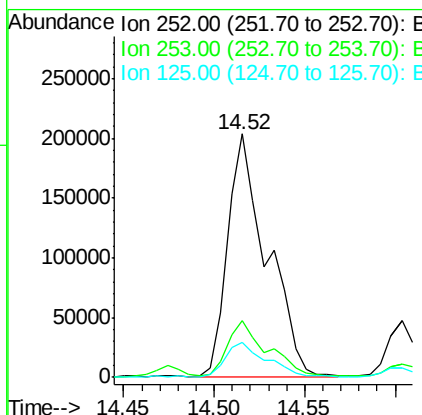
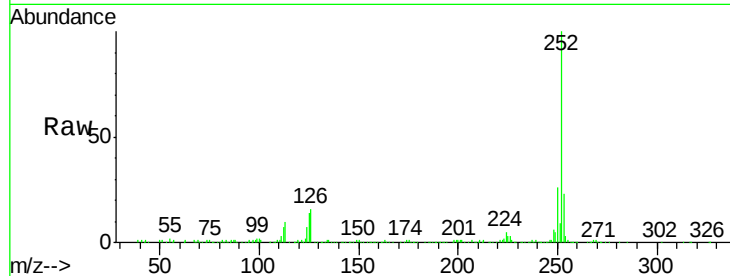




#88
Benzo(k)fluoranthene
Concen: 29.77 ng
RT: 14.52 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

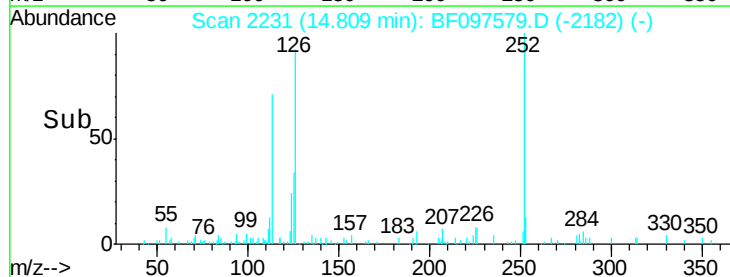
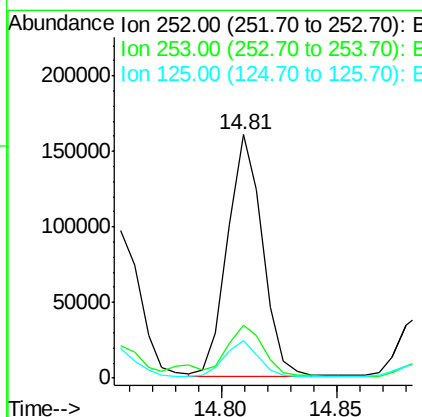
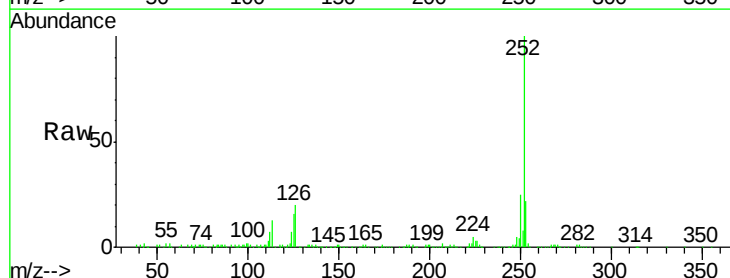
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3A

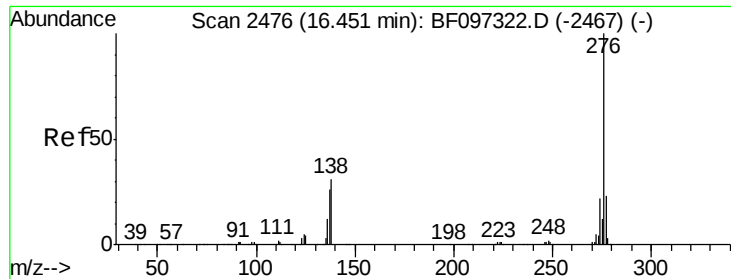
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	14.5	13.1	19.7



#89
Benzo(a)pyrene
Concen: 17.18 ng
RT: 14.81 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF097579.D
Acq: 11 Aug 2017 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	15.5	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 8.28 ng

RT: 16.40 min Scan# 2502

Delta R.T. -0.01 min

Lab File: BF097579.D

Acq: 11 Aug 2017 1:06

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-3A

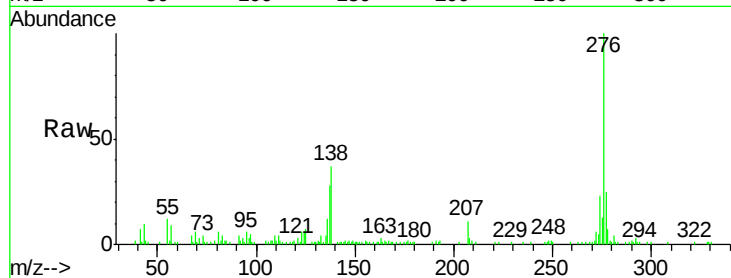
Tot Ion: 276 Resp: 70258

Ion Ratio Lower Upper

276 100

277 25.2 18.6 28.0

138 37.4 25.4 38.0



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

