

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097574.D
 Acq On : 10 Aug 2017 22:47
 Operator : SJ/JU
 Sample : I4697-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-2B

Quant Time: Aug 11 01:05:35 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

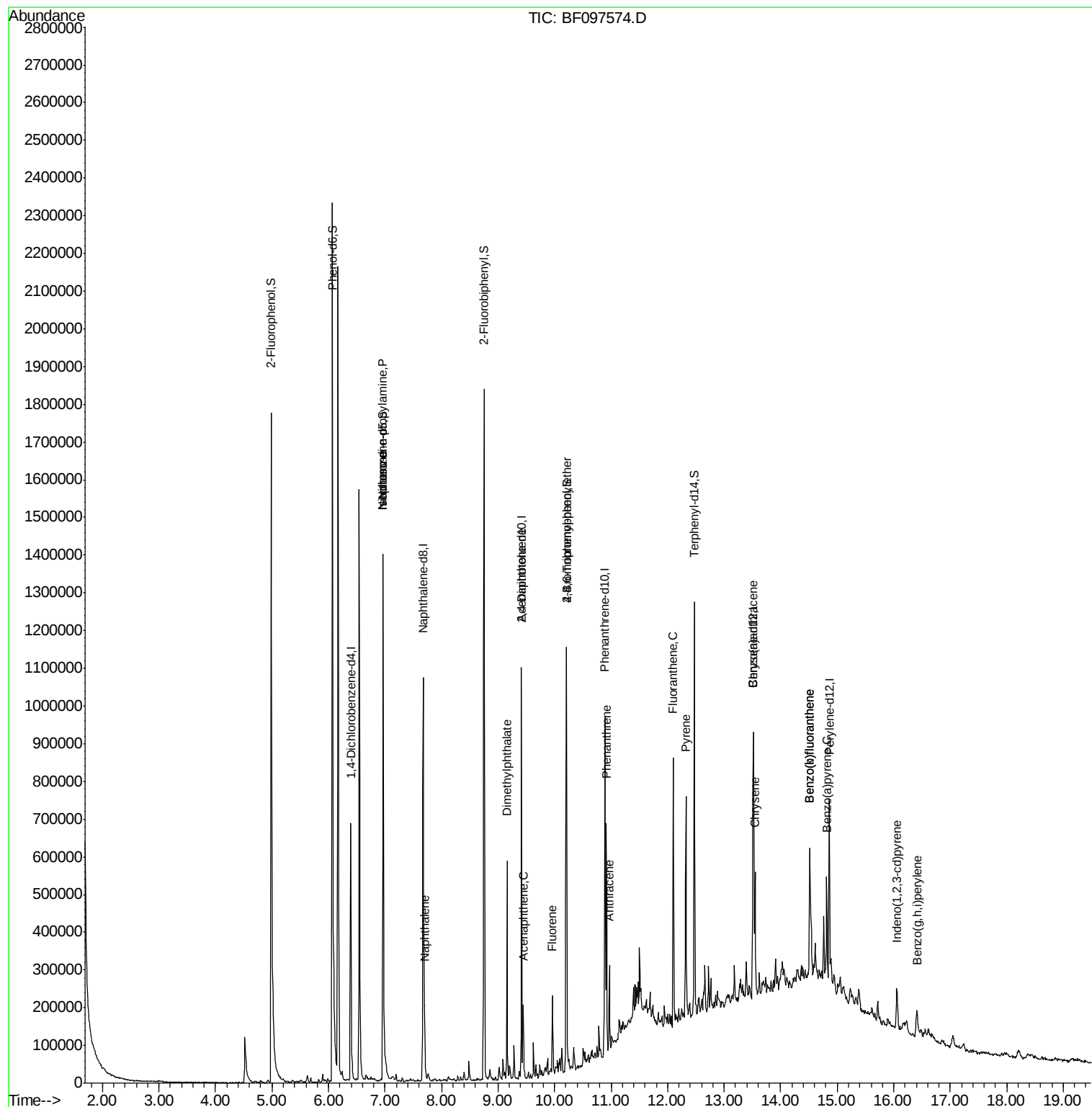
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	117548	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	482491	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	199649	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	298271	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	205671	20.00	ng	-0.02
86) Perylene-d12	14.86	264	203832	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	694534	89.07	ng	-0.02
7) Phenol-d6	6.07	99	899281	101.02	ng	-0.02
23) Nitrobenzene-d5	6.96	82	494819	60.16	ng	-0.03
41) 2,4,6-Tribromophenol	10.21	330	126402	80.13	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	548164	46.60	ng	-0.02
78) Terphenyl-d14	12.47	244	325000	32.22	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.96	70	66837	11.41	ng	# 87
25) Isophorone	6.96	82	494816	30.72	ng	# 67
31) Naphthalene	7.70	128	96843	4.26	ng	97
49) Dimethylphthalate	9.16	163	212346	14.01	ng	99
51) Acenaphthene	9.45	154	45741	4.03	ng	93
56) 2,4-Dinitrotoluene	9.42	165	26811	7.25	ng	# 33
57) Fluorene	9.96	166	58439	5.15	ng	97
66) 4-Bromophenyl-phenylether	10.21	248	7913	2.66	ng	# 1
70) Phenanthrene	10.92	178	211370	13.23	ng	100
71) Anthracene	10.97	178	82965	5.07	ng	97
74) Fluoranthene	12.10	202	284797	18.19	ng	98
77) Pyrene	12.32	202	241909	14.37	ng	99
80) Benzo(a)anthracene	13.51	228	134354	10.10	ng	99
82) Chrysene	13.54	228	124254	9.56	ng	96
85) Indeno(1,2,3-cd)pyrene	16.06	276	55694	5.00	ng	96
87) Benzo(b)fluoranthene	14.52	252	207449	16.93	ng	# 94
88) Benzo(k)fluoranthene	14.52	252	207449	17.77	ng	99
89) Benzo(a)pyrene	14.82	252	114752	10.23	ng	# 94
91) Benzo(a,h,i)perylene	16.41	276	49790	5.16	ng	94

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

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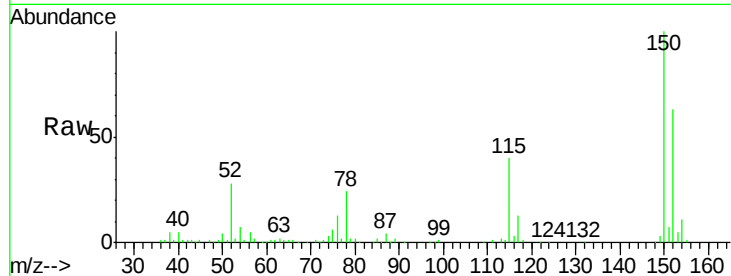


#1

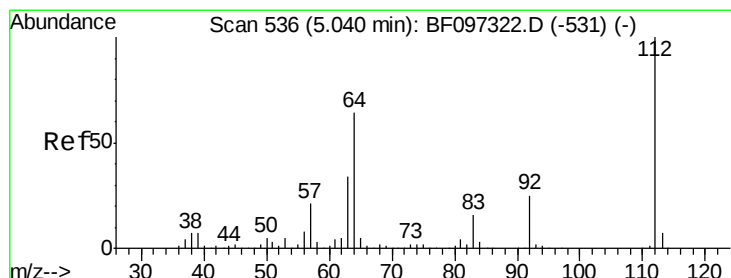
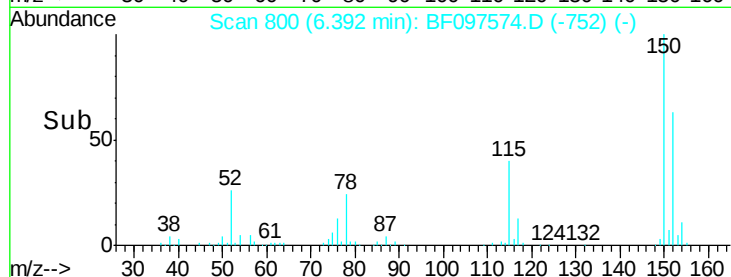
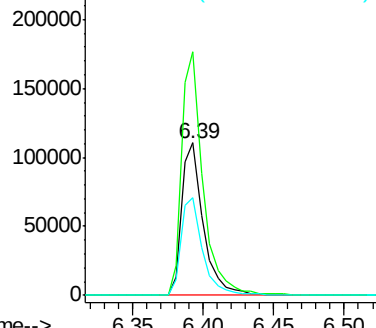
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.39 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-2B

Tot Ion:152 Resp: 117548
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 64.2 52.2 78.2



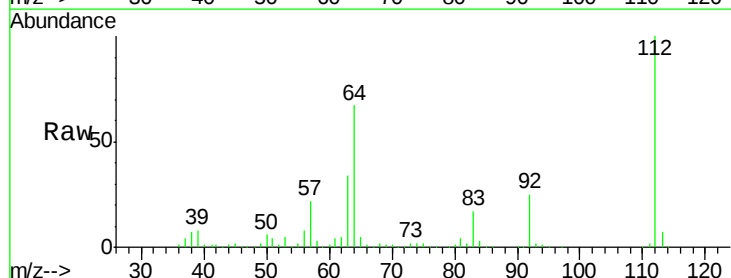
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



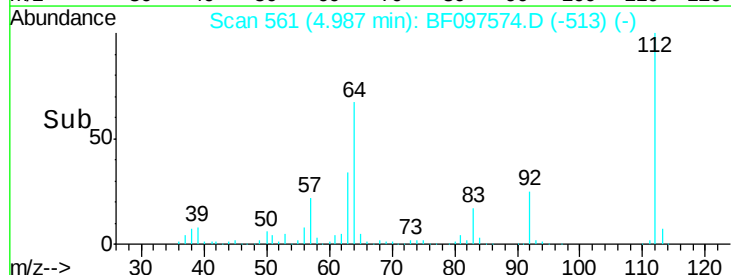
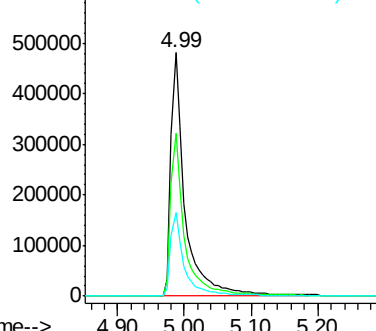
#5

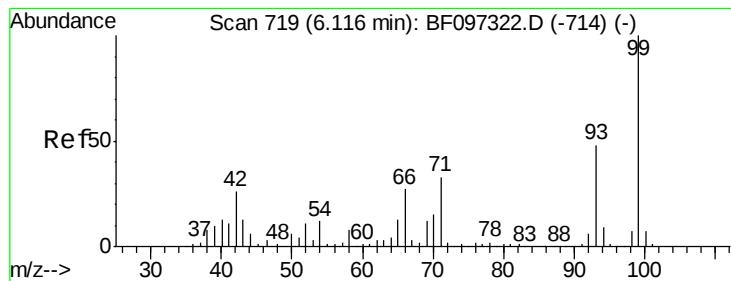
2-Fluorophenol
Concen: 89.07 ng
RT: 4.99 min Scan# 561
Delta R.T. -0.02 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

Tgt Ion:112 Resp: 694534
Ion Ratio Lower Upper
112 100
64 67.0 46.0 69.0
63 34.3 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: 101.02 ng

RT: 6.07 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

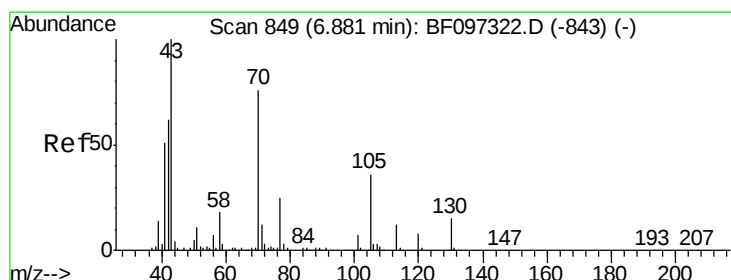
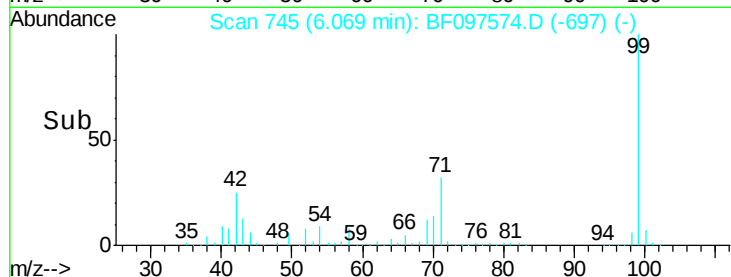
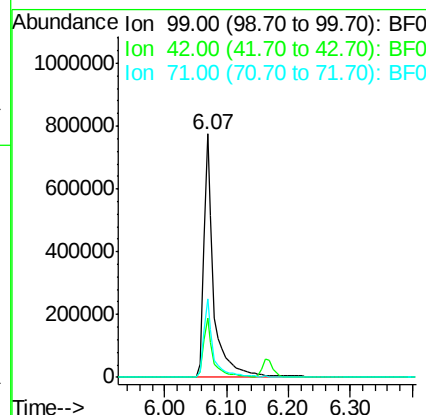
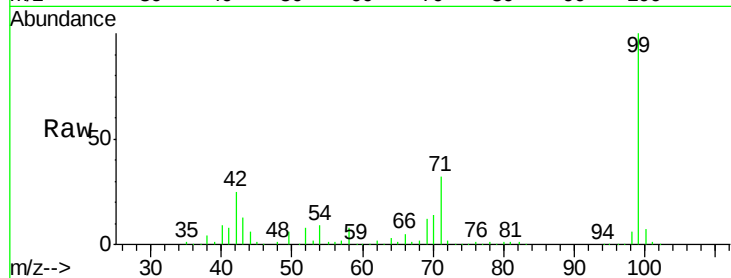
Tot Ion: 99 Resp: 899281

Ion Ratio Lower Upper

99 100

42 24.6 13.5 20.3#

71 32.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.41 ng

RT: 6.96 min Scan# 897

Delta R.T. 0.11 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Tgt Ion: 70 Resp: 66837

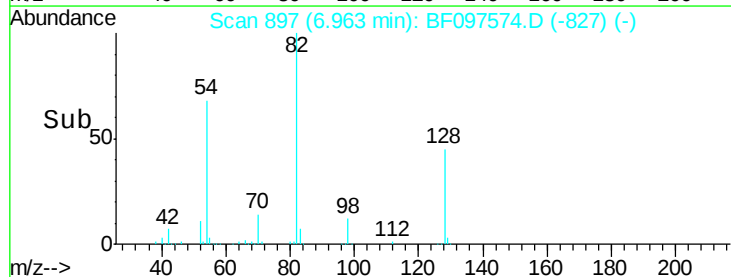
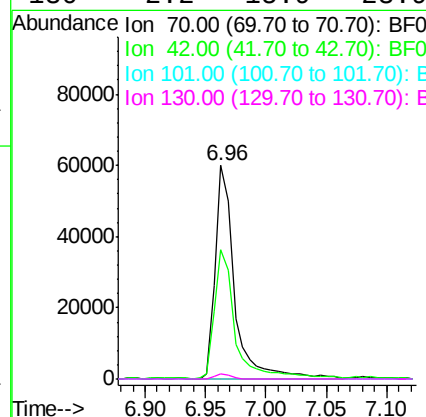
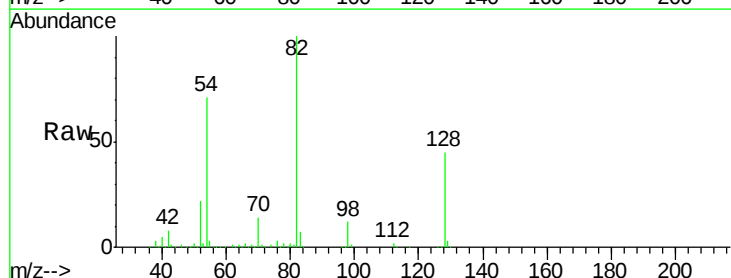
Ion Ratio Lower Upper

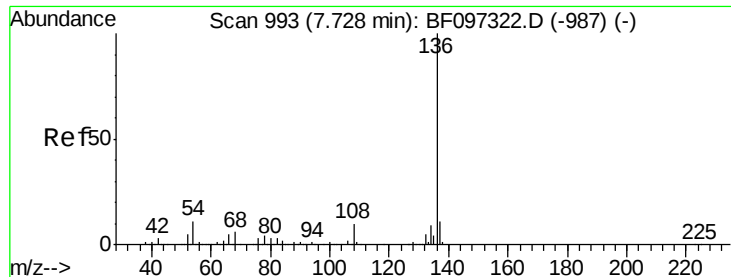
70 100

42 60.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.67 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

Tot Ion:136 Resp: 482491

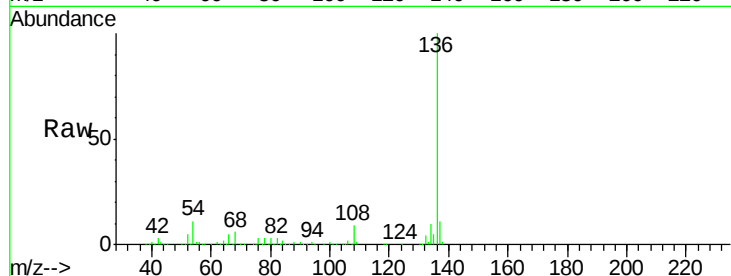
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.8 4.9 7.3#

68 5.6 4.1 6.1

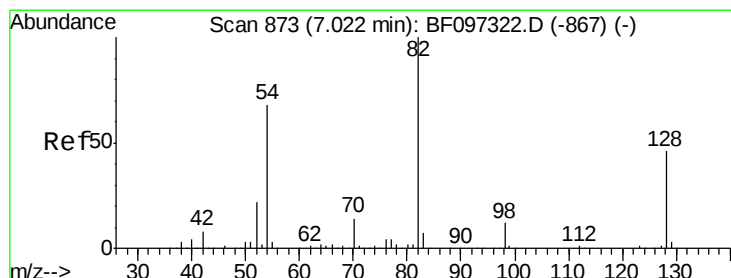
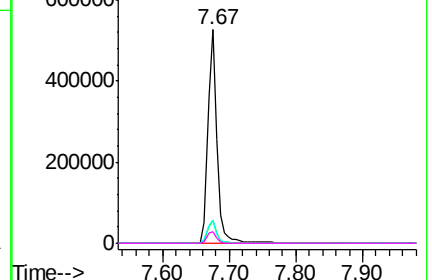
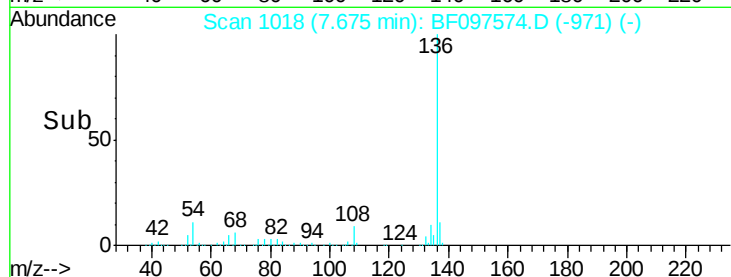


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.16 ng

RT: 6.96 min Scan# 897

Delta R.T. -0.03 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

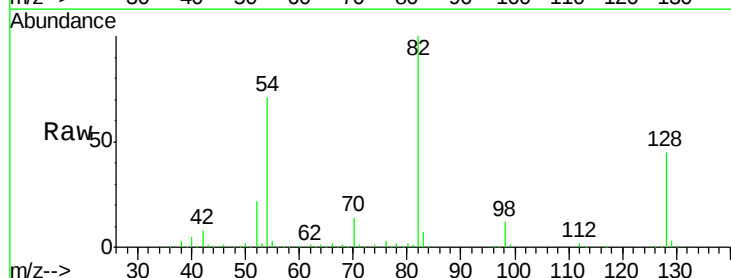
Tgt Ion: 82 Resp: 494819

Ion Ratio Lower Upper

82 100

128 44.5 34.0 51.0

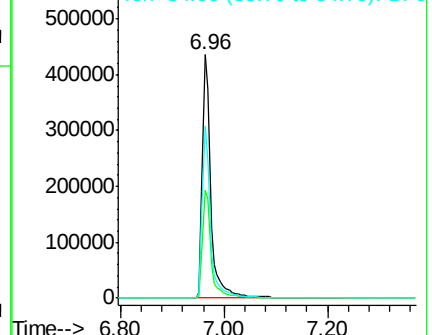
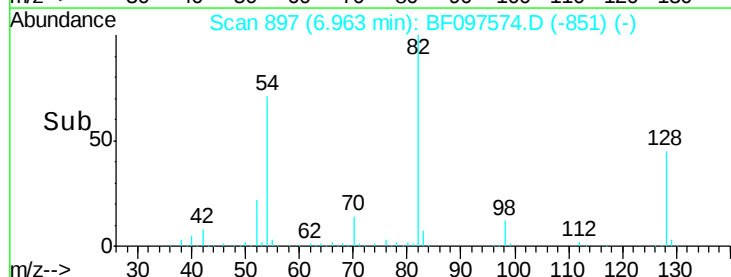
54 70.6 42.2 63.2#

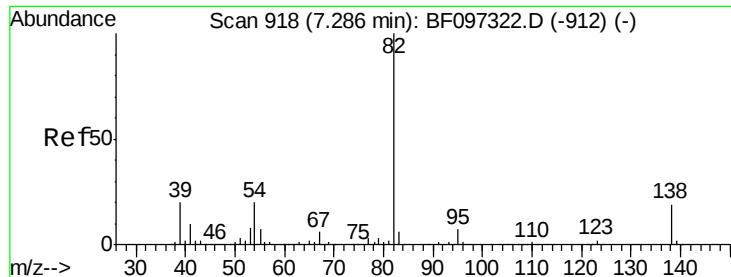


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.72 ng

RT: 6.96 min Scan# 897

Delta R.T. -0.29 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

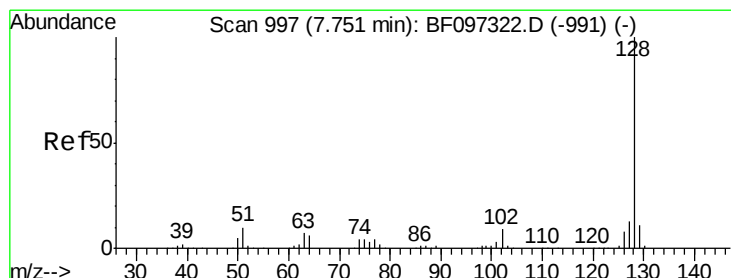
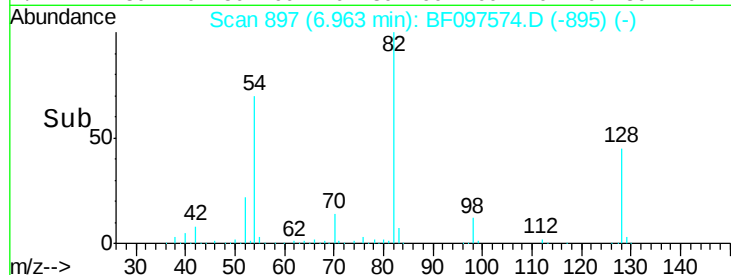
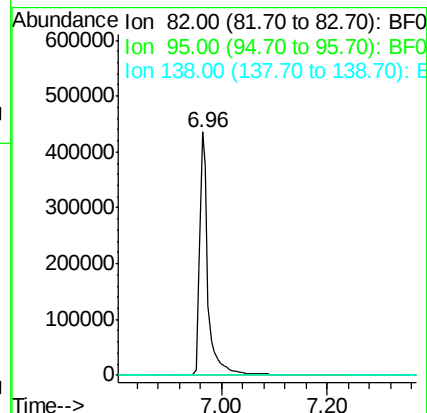
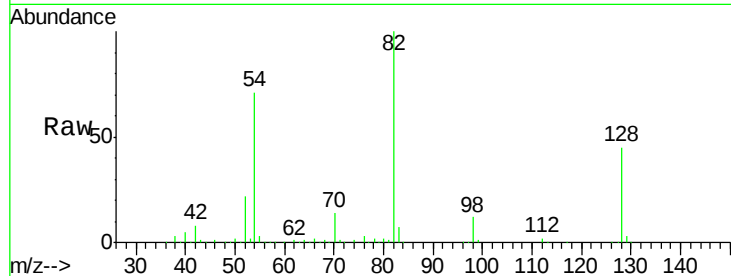
Tot Ion: 82 Resp: 494816

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#31

Naphthalene

Concen: 4.26 ng

RT: 7.70 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

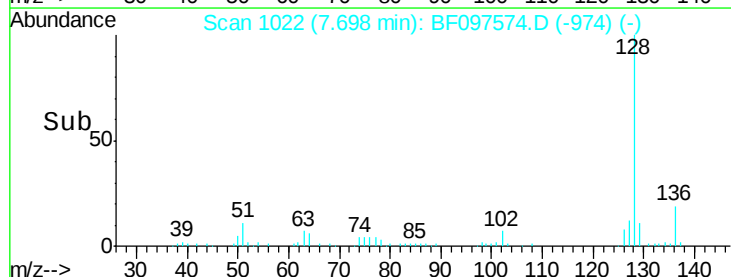
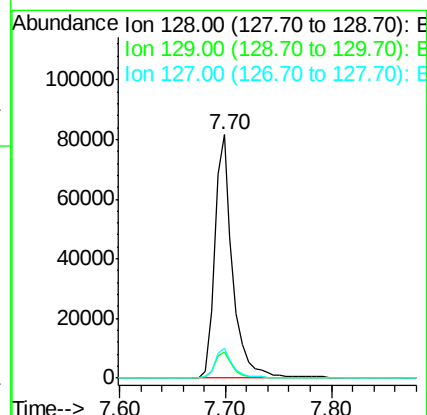
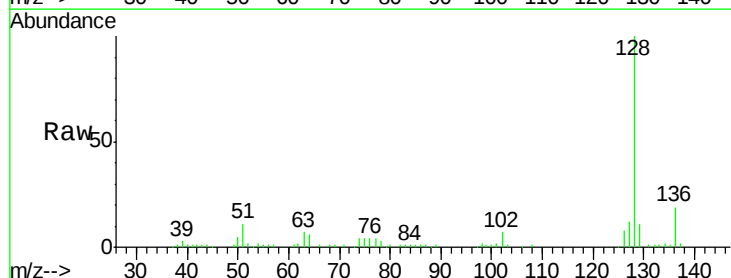
Tgt Ion: 128 Resp: 96843

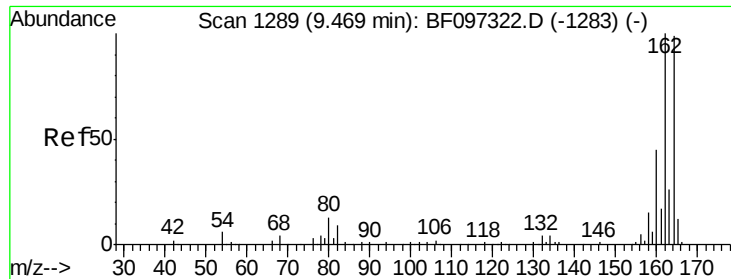
Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

127 12.2 10.8 16.2

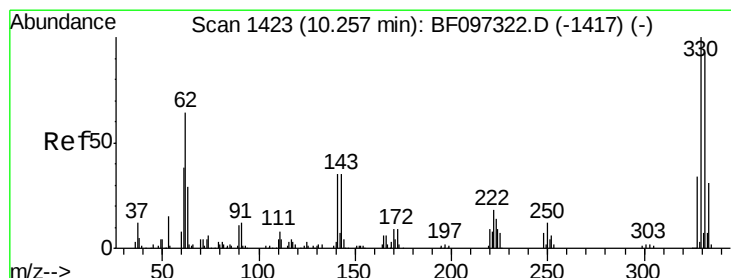
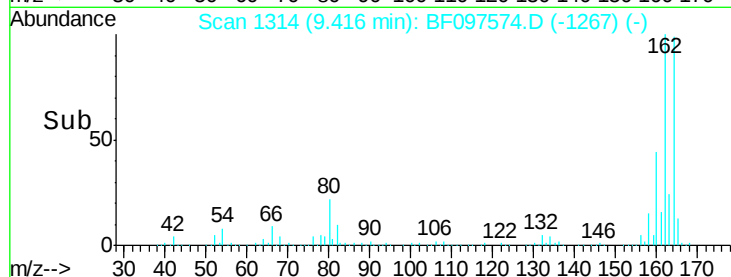
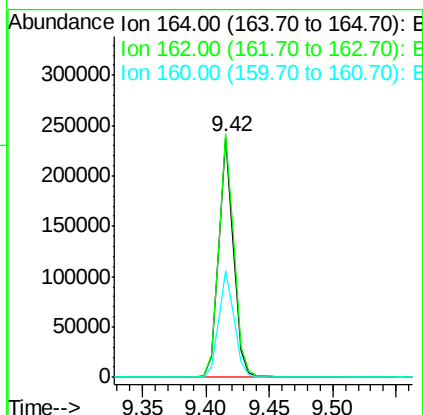
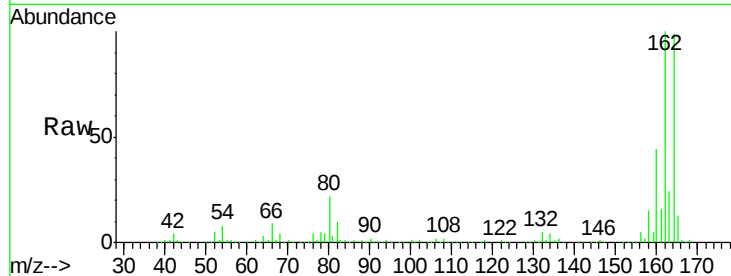




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

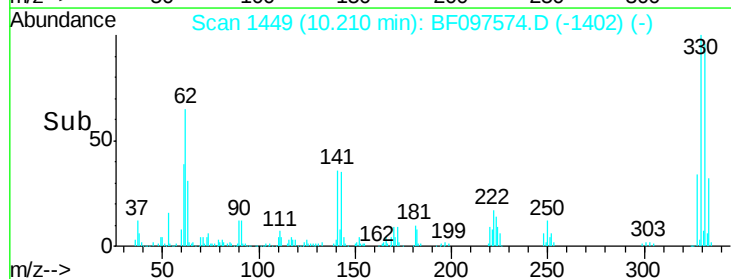
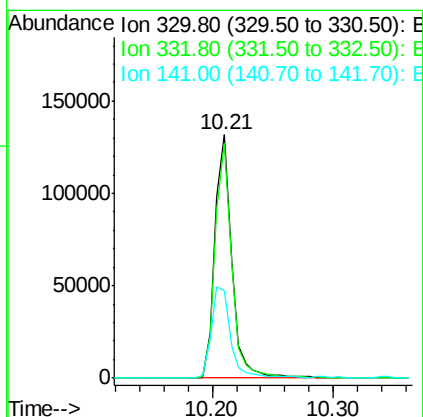
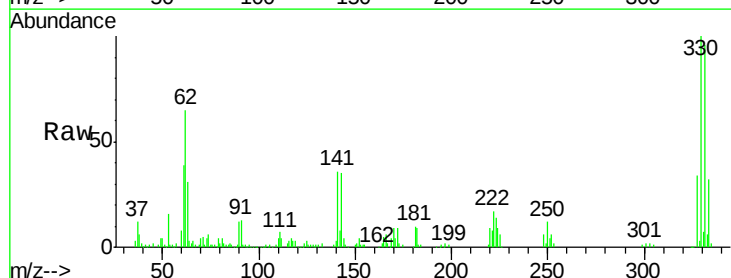
Instrument :
BNA_F
ClientSampleId :
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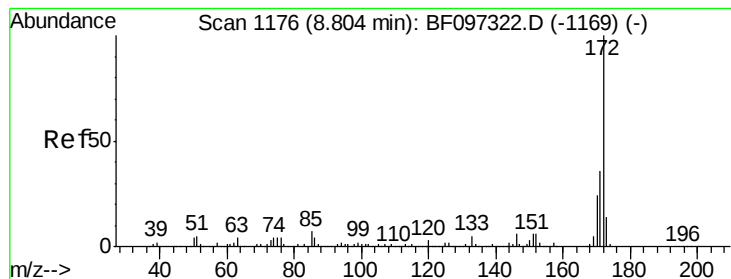
Tot Ion:164 Resp: 199649
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 44.3 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 80.13 ng
RT: 10.21 min Scan# 1449
Delta R.T. -0.02 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

Tgt Ion:330 Resp: 126402
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 42.7 31.4 47.2

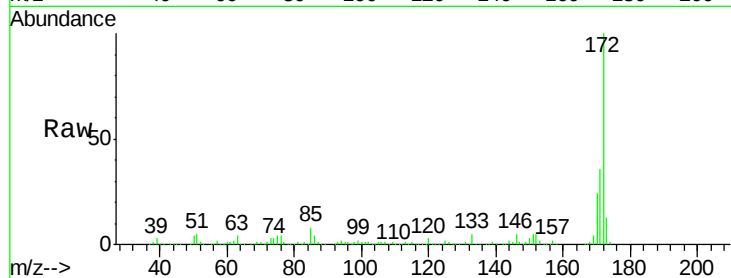




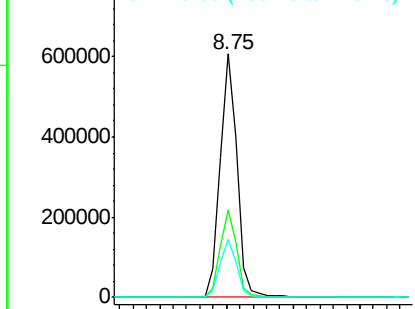
#44
2-Fluorobiphenyl
Concen: 46.60 ng
RT: 8.75 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-2B

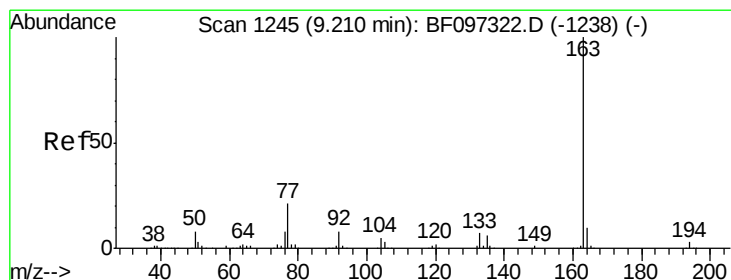
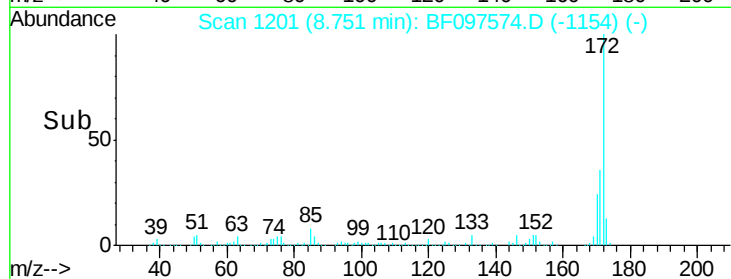
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.8	19.8	29.8



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

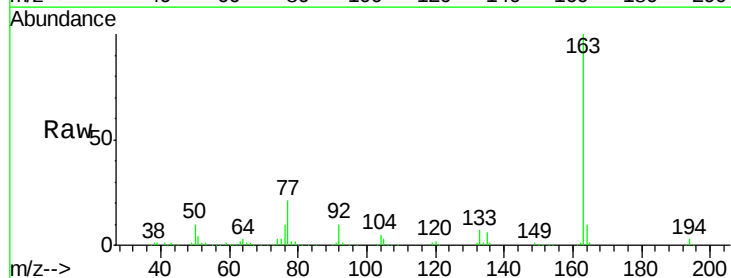


Time-->

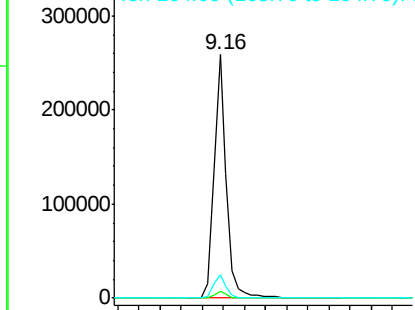


#49
Dimethylphthalate
Concen: 14.01 ng
RT: 9.16 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

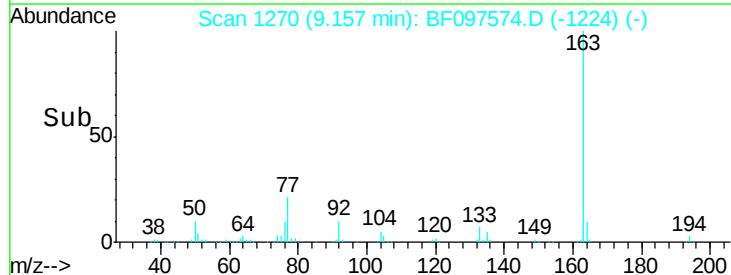
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.9	8.4	12.6

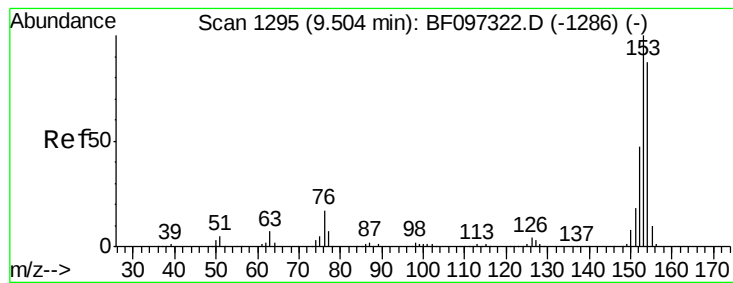


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->





#51

Acenaphthene

Concen: 4.03 ng

RT: 9.45 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

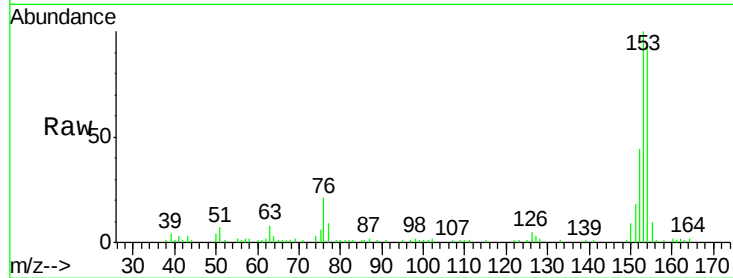
Tot Ion:154 Resp: 45741

Ion Ratio Lower Upper

154 100

153 107.5 90.5 135.7

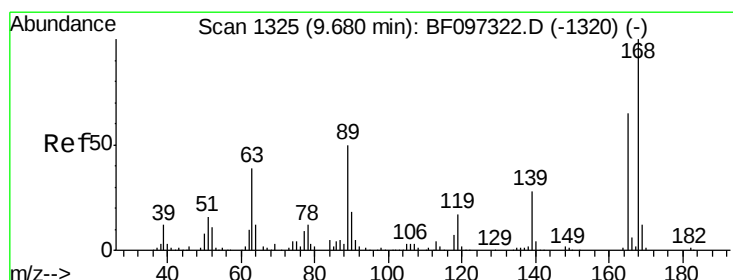
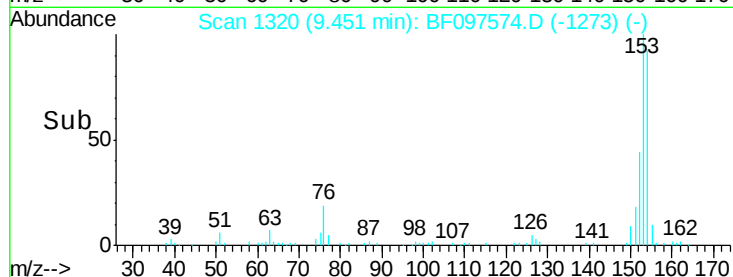
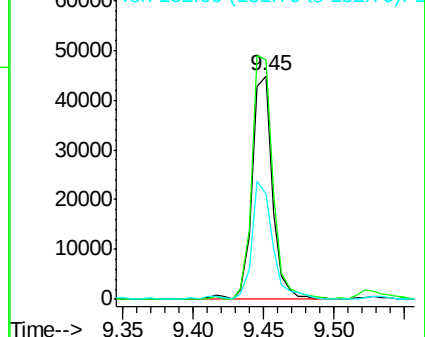
152 47.1 43.6 65.4



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



#56

2,4-Dinitrotoluene

Concen: 7.25 ng

RT: 9.42 min Scan# 1314

Delta R.T. -0.25 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Tgt Ion:165 Resp: 26811

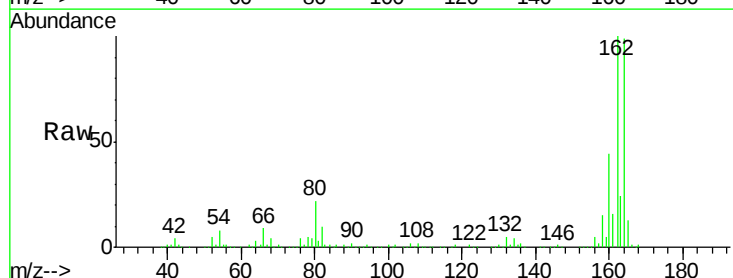
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

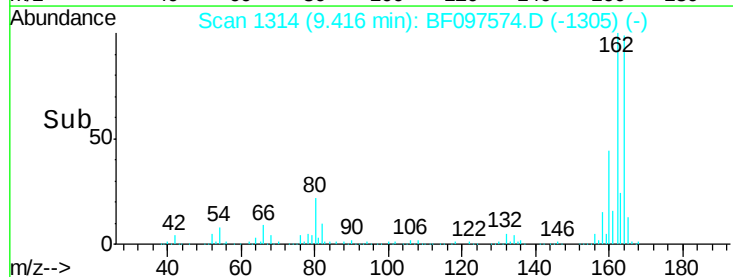
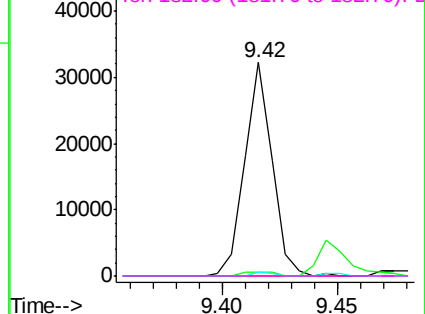


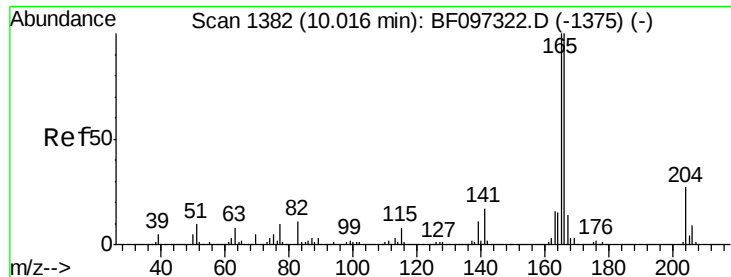
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

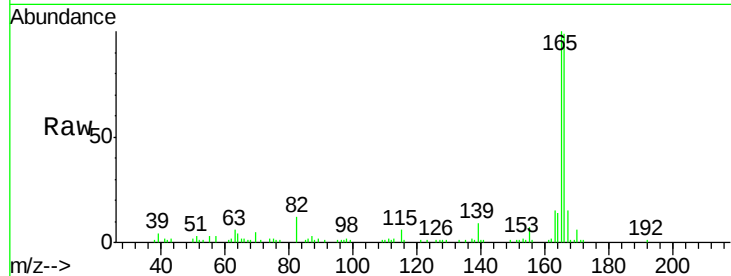




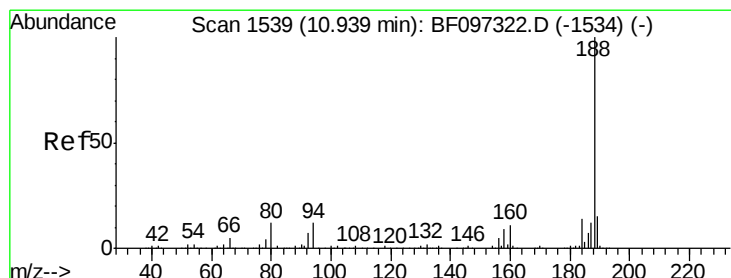
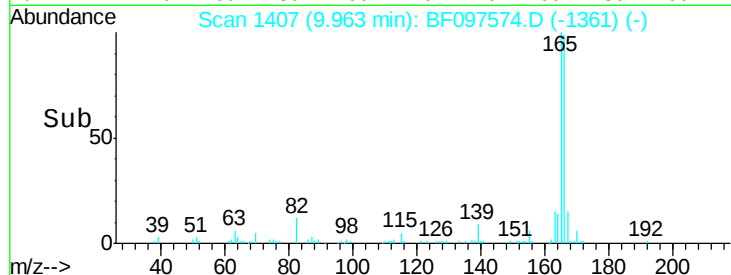
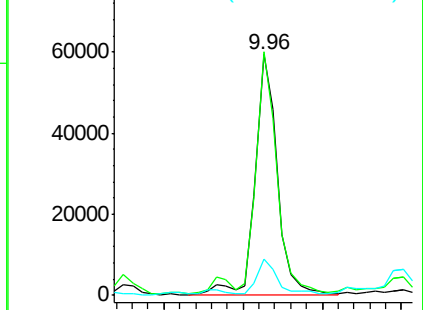
#57
Fluorene
 Concen: 5.15 ng
 RT: 9.96 min Scan# 1407
 Delta R.T. -0.03 min
 Lab File: BF097574.D
 Acq: 10 Aug 2017 22:47

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-2B

Tot Ion:166 Resp: 58439
 Ion Ratio Lower Upper
 166 100
 165 101.1 78.8 118.2
 167 15.1 10.6 16.0

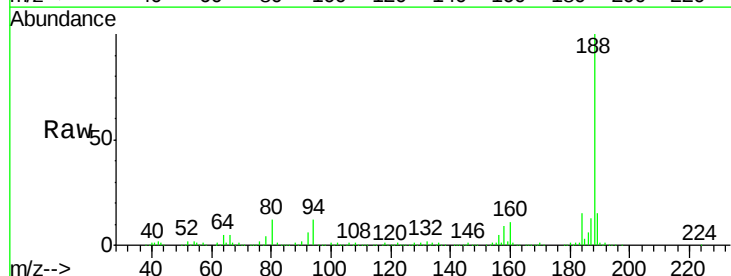


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

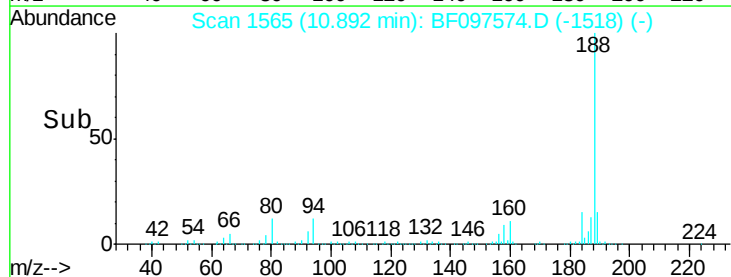
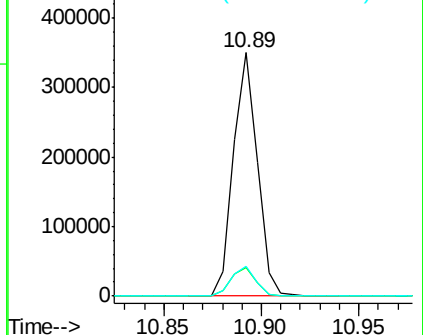


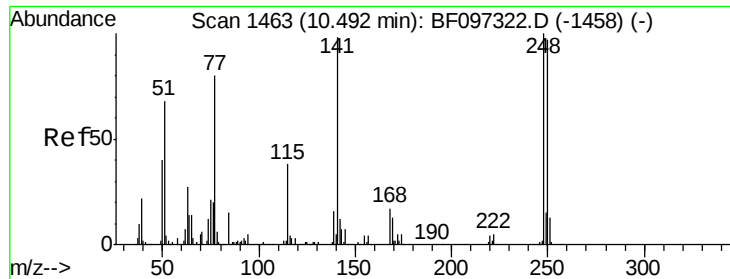
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.89 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF097574.D
 Acq: 10 Aug 2017 22:47

Tgt Ion:188 Resp: 298271
 Ion Ratio Lower Upper
 188 100
 94 11.9 9.4 14.2
 80 12.1 10.2 15.2



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

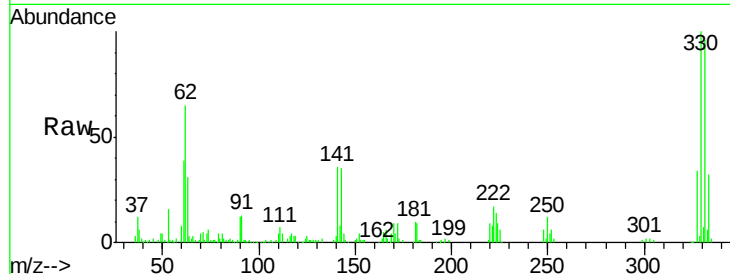




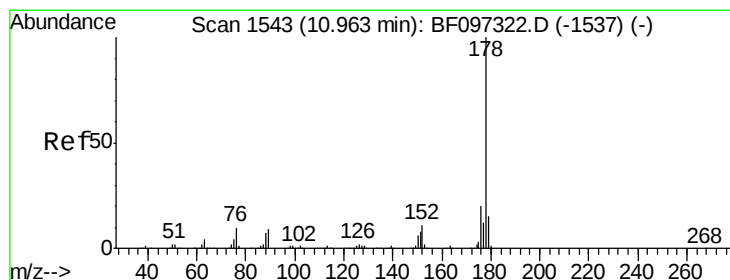
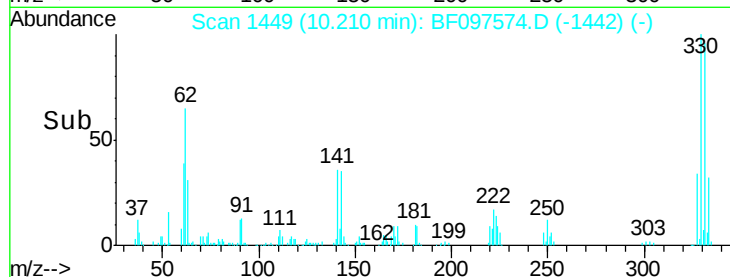
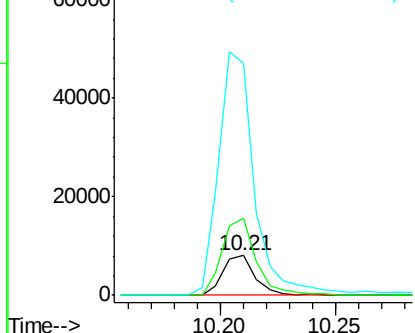
#66
 4-Bromophenyl-phenylether
 Concen: 2.66 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.26 min
 Lab File: BF097574.D
 Acq: 10 Aug 2017 22:47

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-2B

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.7	76.8	115.2#
141	582.1	68.6	103.0#

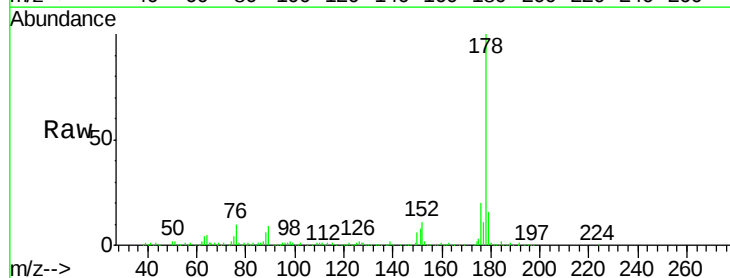


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

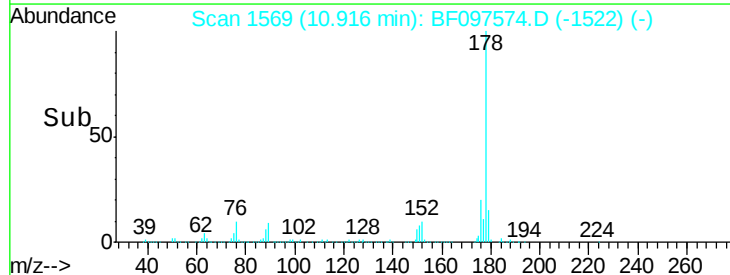
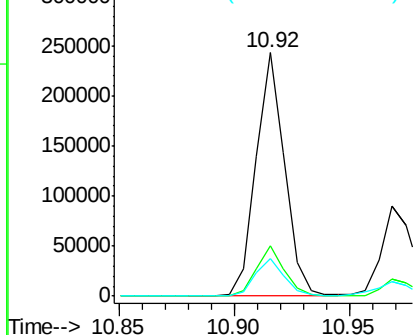


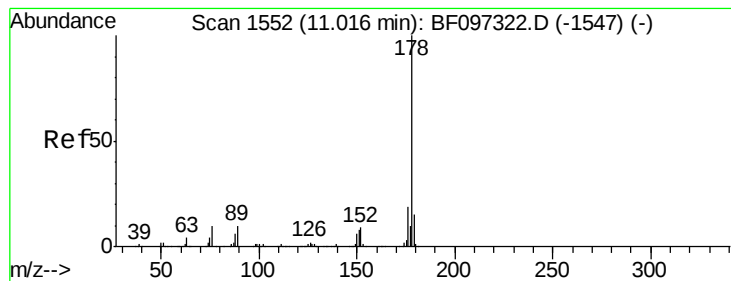
#70
 Phenanthrene
 Concen: 13.23 ng
 RT: 10.92 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF097574.D
 Acq: 10 Aug 2017 22:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.2	24.4
179	15.6	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: 5.07 ng

RT: 10.97 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

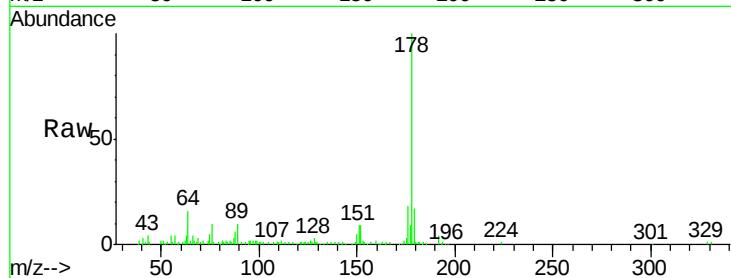
Tot Ion:178 Resp: 82965

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

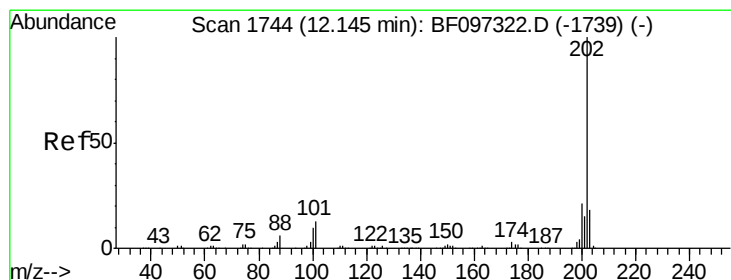
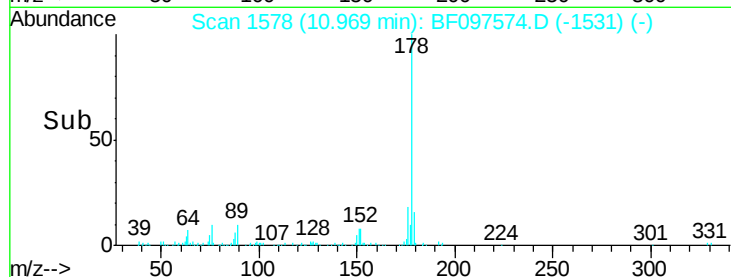
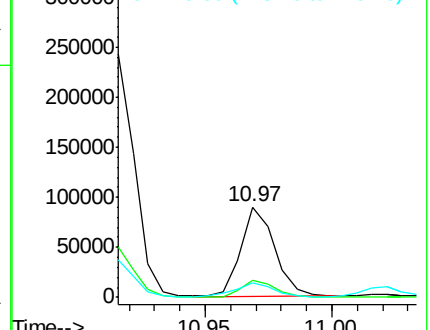
179 16.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 18.19 ng

RT: 12.10 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

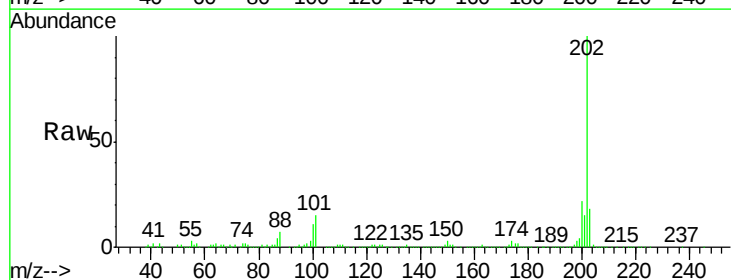
Tgt Ion:202 Resp: 284797

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.2

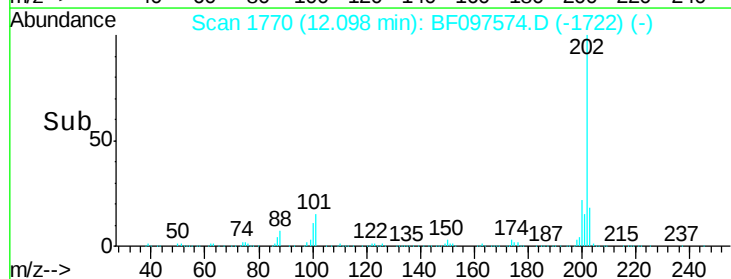
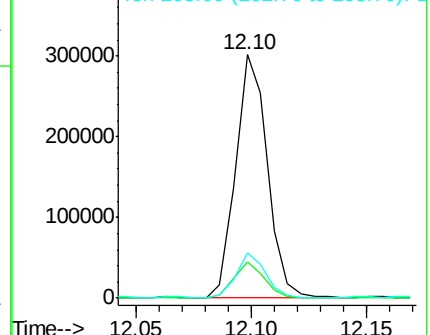
203 18.5 0.0 38.1

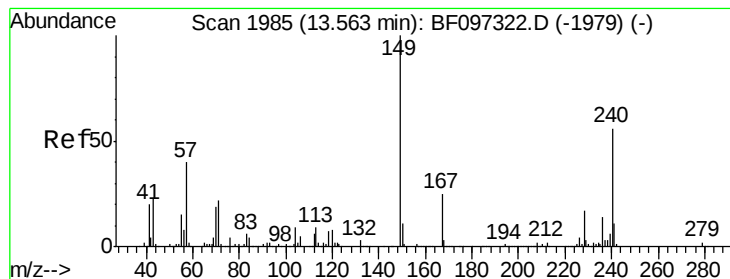


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.52 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

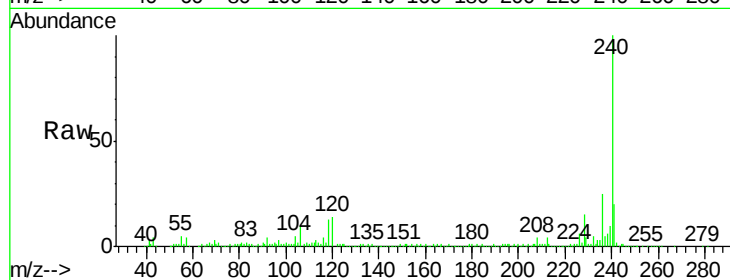
Tot Ion:240 Resp: 205671

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

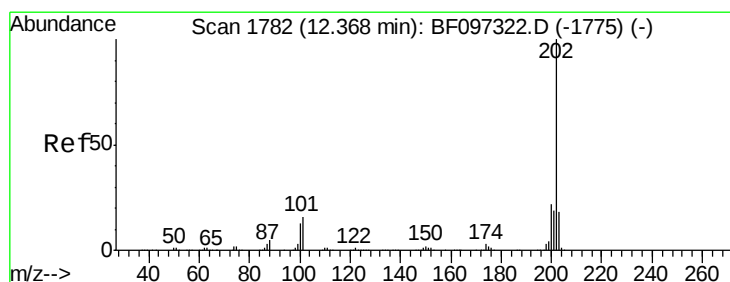
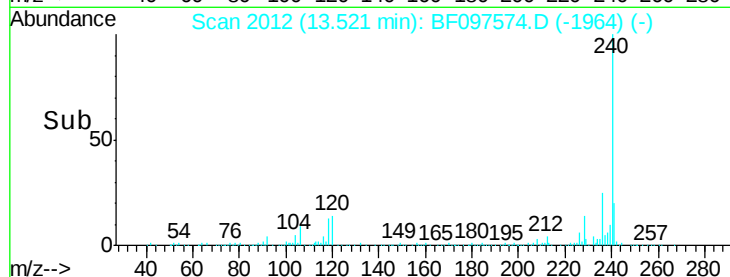
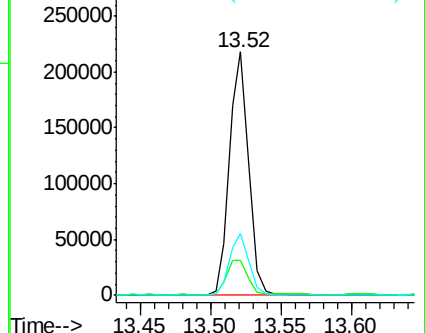
236 25.2 20.5 30.7



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: 14.37 ng

RT: 12.32 min Scan# 1808

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

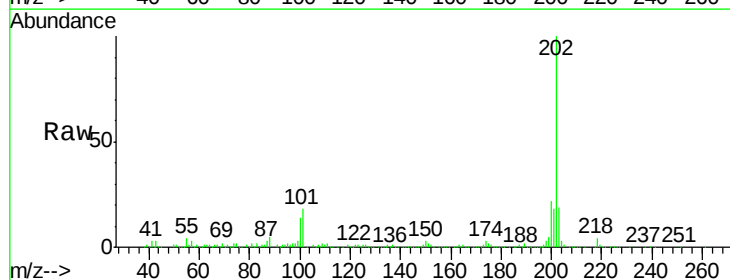
Tgt Ion:202 Resp: 241909

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

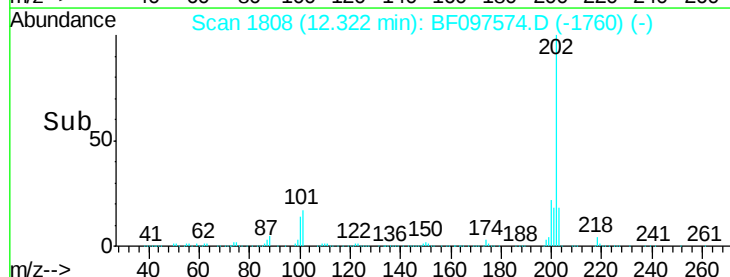
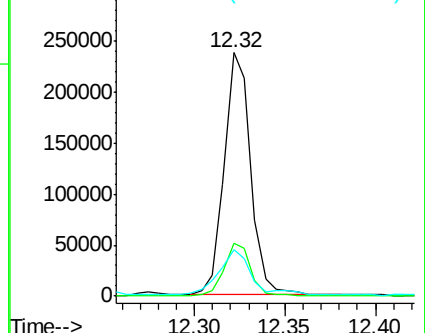
203 19.0 14.4 21.6

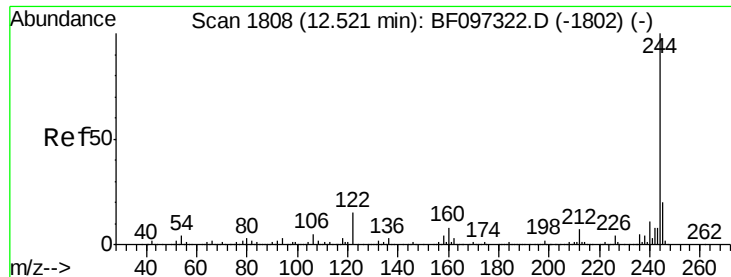


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

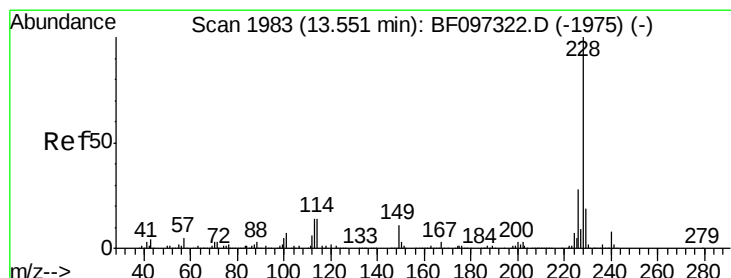
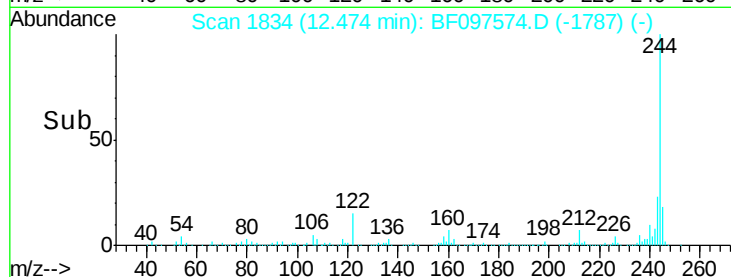
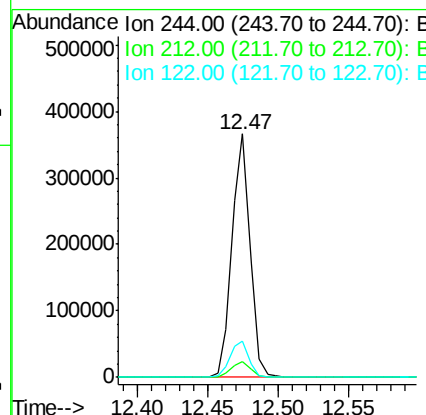
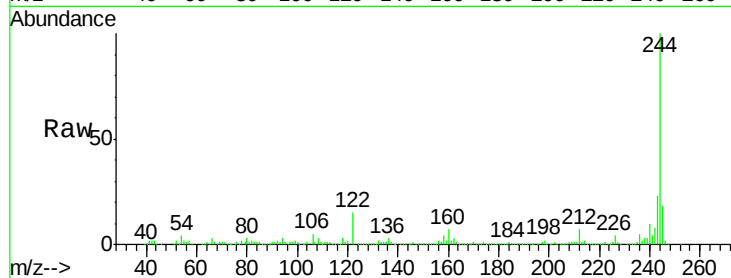




#78
 Terphenyl-d14
 Concen: 32.22 ng
 RT: 12.47 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF097574.D
 Acq: 10 Aug 2017 22:47

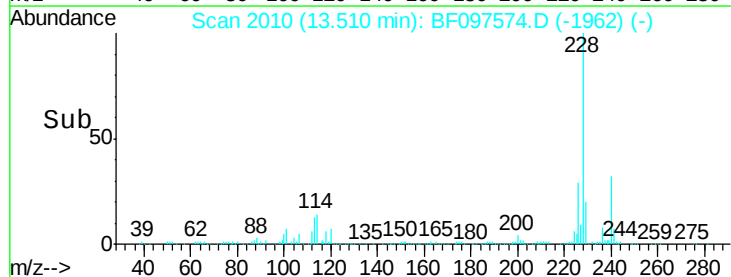
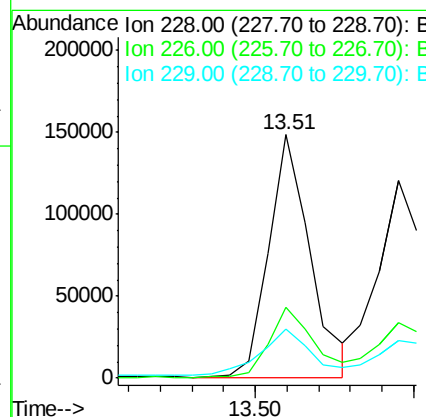
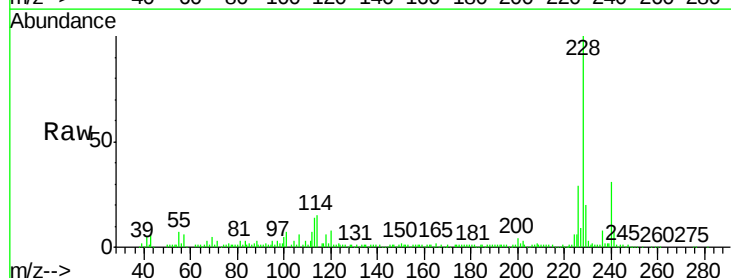
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-2B

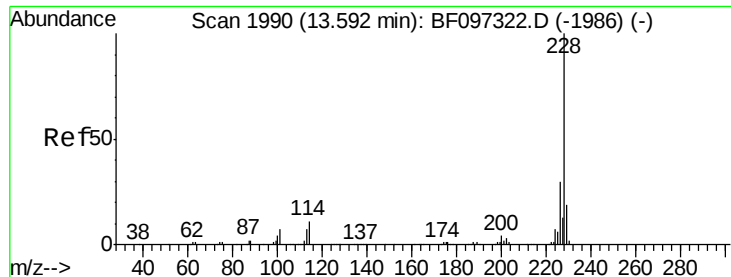
Tot Ion:244 Resp: 325000
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 10.10 ng
 RT: 13.51 min Scan# 2010
 Delta R.T. -0.02 min
 Lab File: BF097574.D
 Acq: 10 Aug 2017 22:47

Tgt Ion:228 Resp: 134354
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 20.4 16.3 24.5





#82

Chrysene

Concen: 9.56 ng

RT: 13.54 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

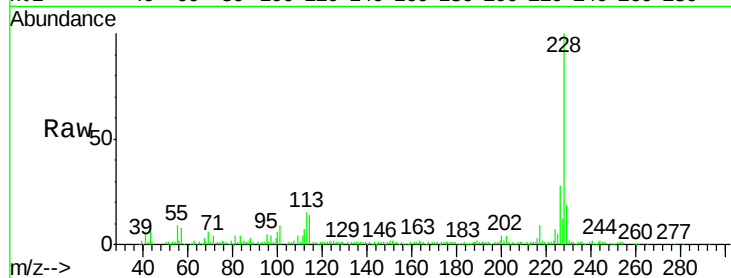
Tot Ion:228 Resp: 124254

Ion Ratio Lower Upper

228 100

226 28.4 24.9 37.3

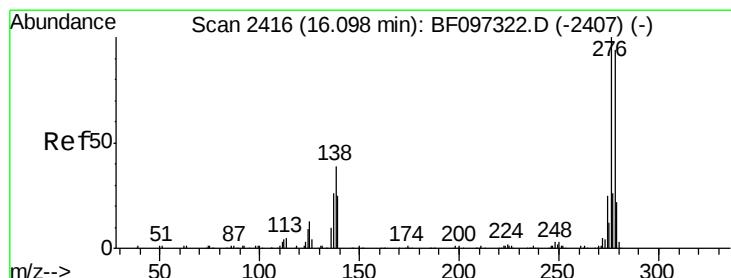
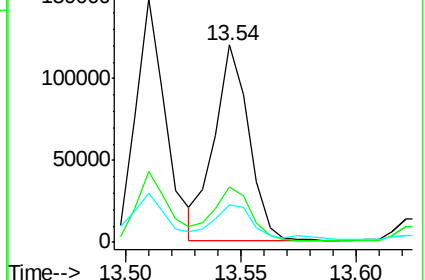
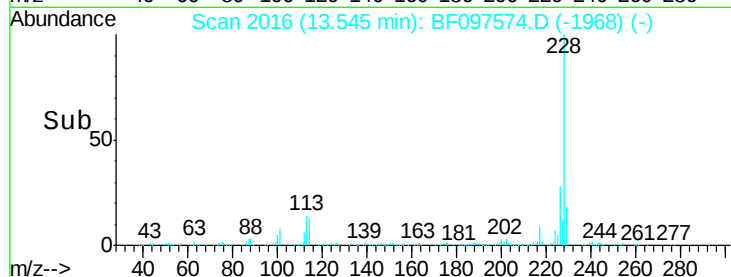
229 18.9 15.8 23.6



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: 5.00 ng

RT: 16.06 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

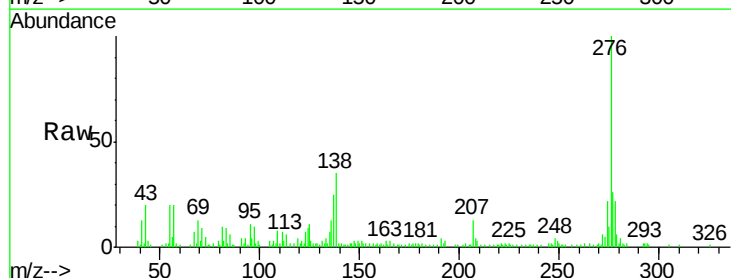
Tgt Ion:276 Resp: 55694

Ion Ratio Lower Upper

276 100

138 31.1 27.8 41.6

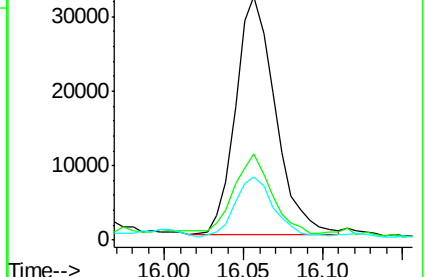
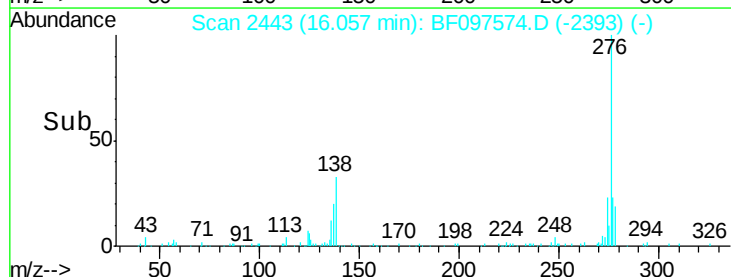
277 24.4 20.2 30.4

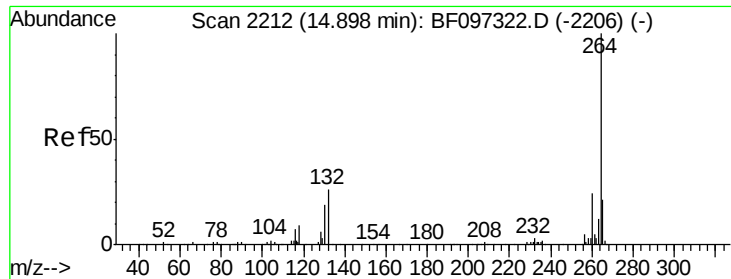


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

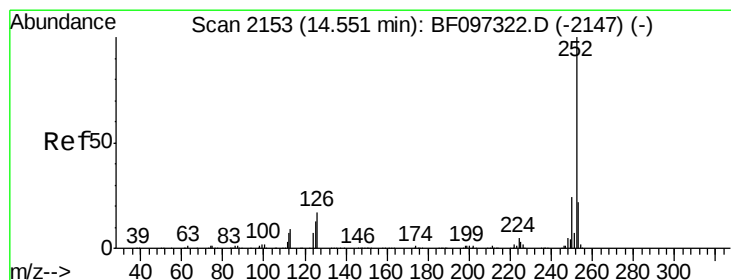
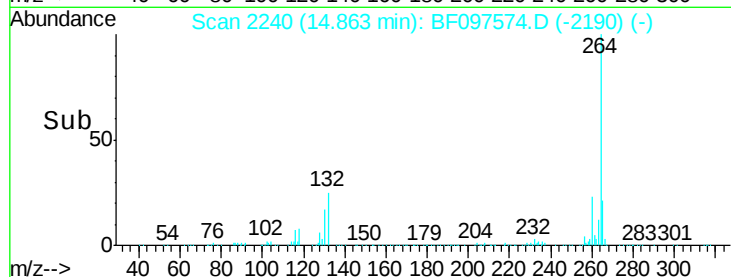
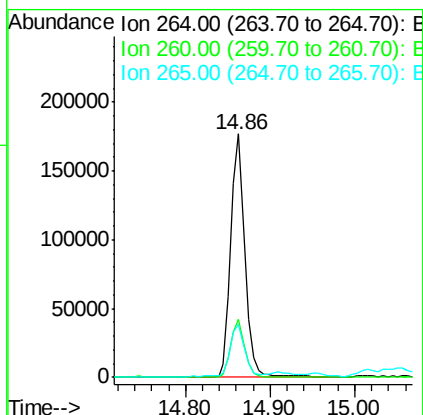
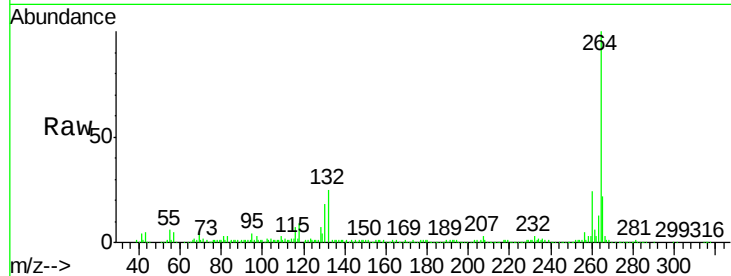




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

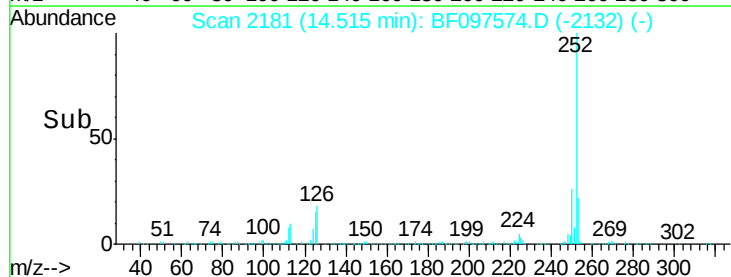
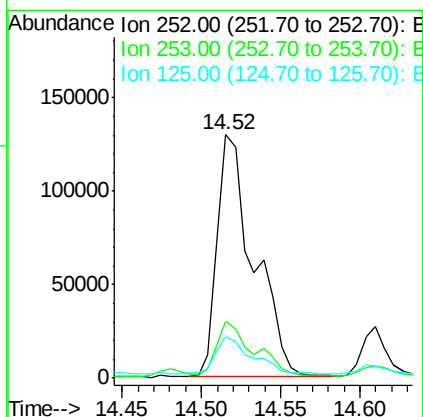
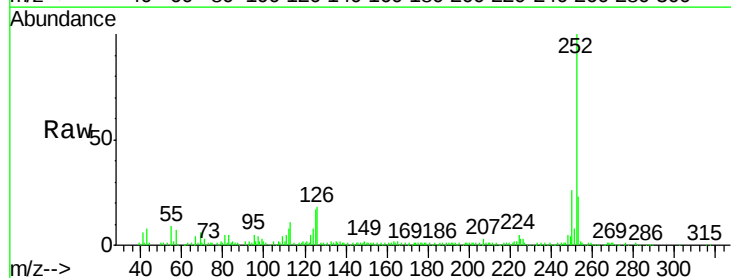
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-2B

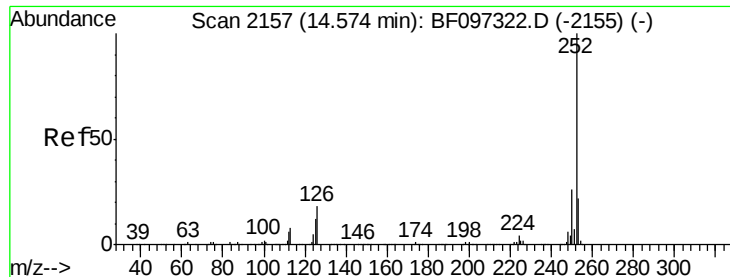
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 16.93 ng
RT: 14.52 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	17.2	9.8	14.8#

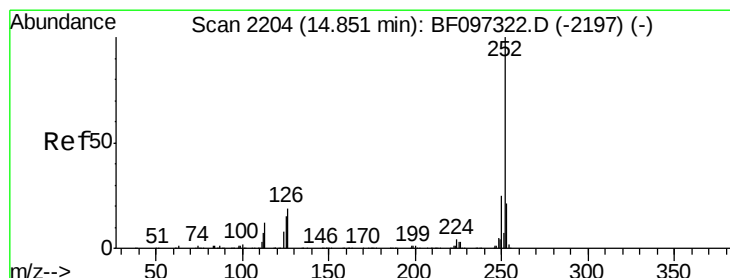
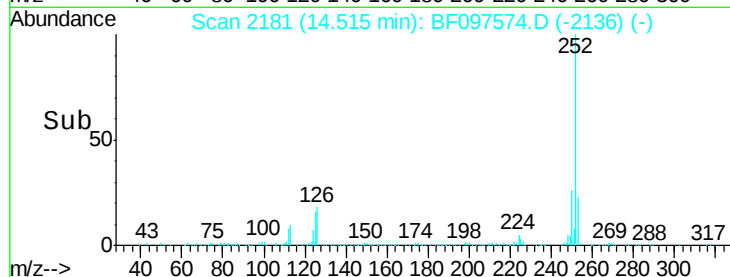
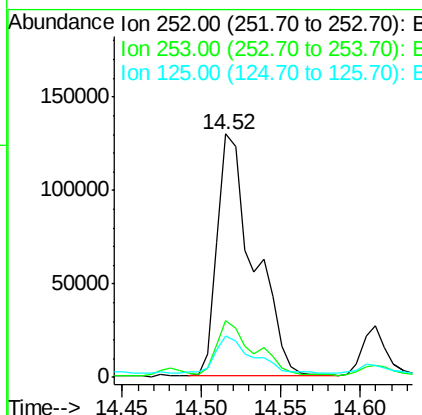
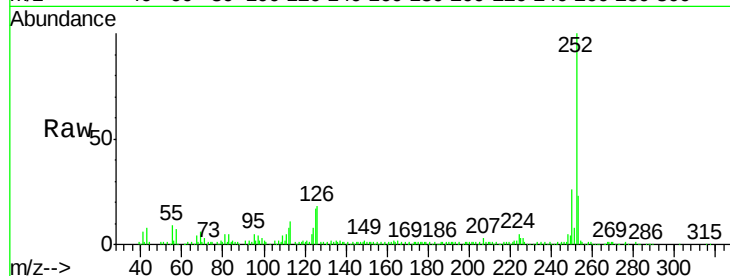




#88
Benzo(k)fluoranthene
Concen: 17.77 ng
RT: 14.52 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

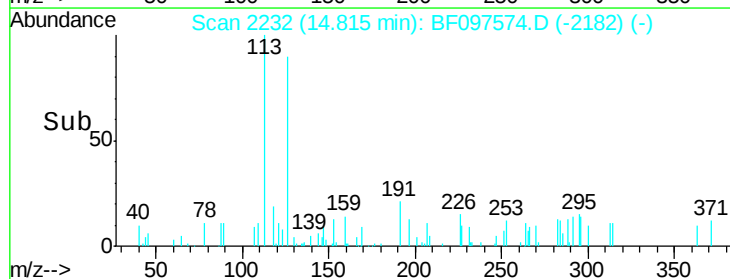
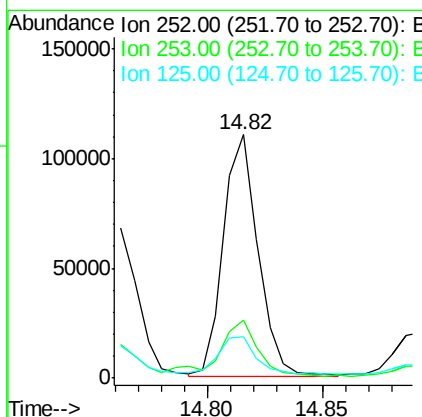
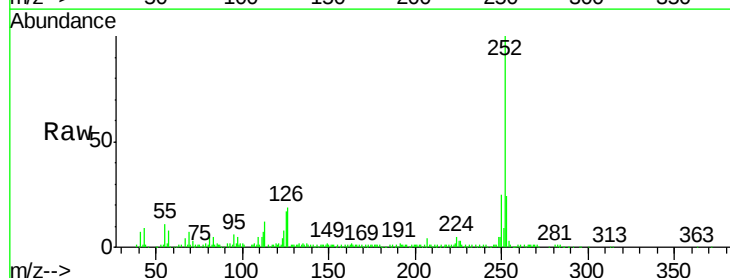
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-2B

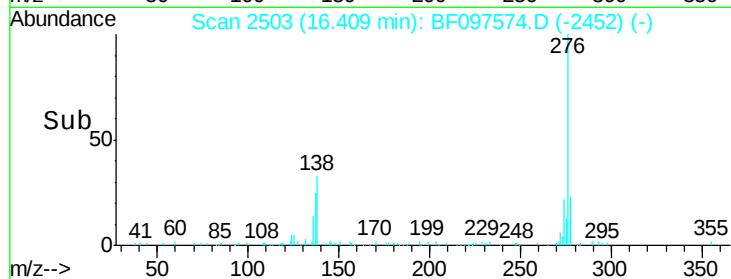
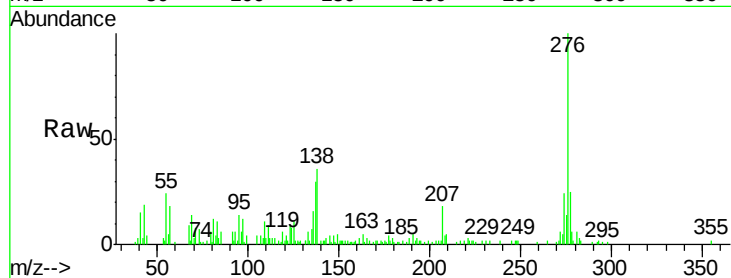
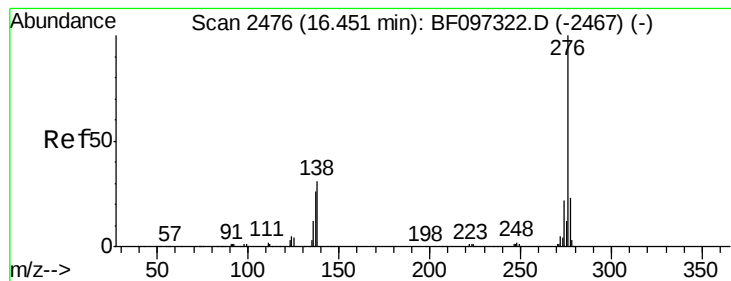
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	17.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 10.23 ng
RT: 14.82 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF097574.D
Acq: 10 Aug 2017 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	16.9	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 5.16 ng

RT: 16.41 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BF097574.D

Acq: 10 Aug 2017 22:47

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2B

Tot Ion: 276 Resp: 49790

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 35.8 25.4 38.0

