

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097573.D
 Acq On : 10 Aug 2017 22:19
 Operator : SJ/JU
 Sample : I4697-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Aug 11 01:04:58 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

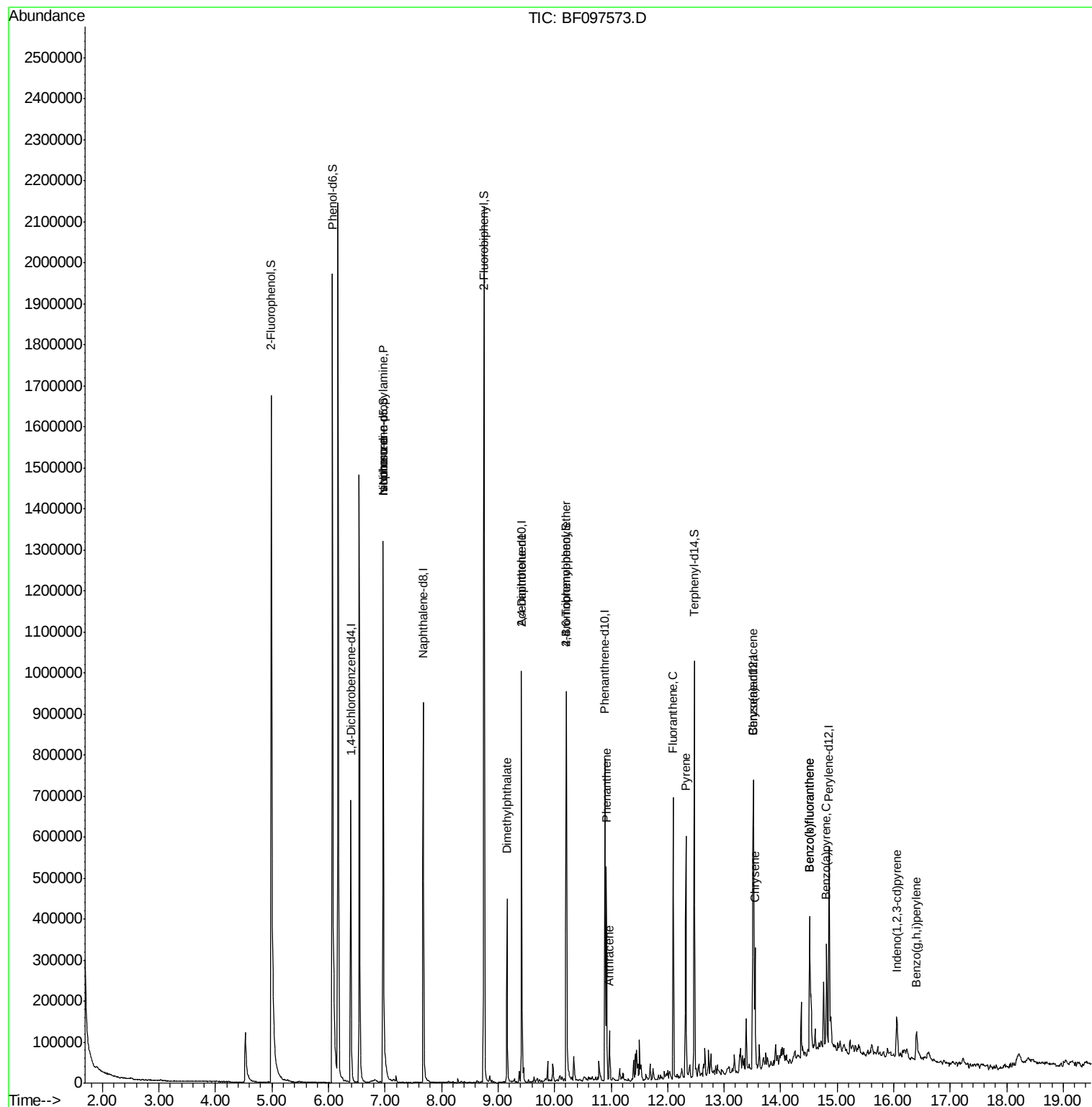
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	109681	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	424985	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	185414	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	252471	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	184502	20.00	ng	-0.02
86) Perylene-d12	14.86	264	196316	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	719871	98.94	ng	-0.02
7) Phenol-d6	6.07	99	822801	99.06	ng	-0.02
23) Nitrobenzene-d5	6.97	82	493112	68.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	115168	78.62	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	632116	57.86	ng	-0.02
78) Terphenyl-d14	12.47	244	305220	33.73	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.96	70	65872	12.05	ng	# 84
25) Isophorone	6.97	82	493108	34.76	ng	# 67
49) Dimethylphthalate	9.16	163	174576	12.40	ng	98
56) 2,4-Dinitrotoluene	9.42	165	23769	6.92	ng	# 32
66) 4-Bromophenyl-phenylether	10.21	248	7148	2.84	ng	# 1
70) Phenanthrene	10.92	178	185647	13.72	ng	98
71) Anthracene	10.97	178	50341	3.63	ng	96
74) Fluoranthene	12.10	202	266691	20.12	ng	99
77) Pyrene	12.32	202	220895	14.62	ng	98
80) Benzo(a)anthracene	13.51	228	116958	9.80	ng	96
82) Chrysene	13.54	228	104391	8.96	ng	98
85) Indeno(1,2,3-cd)pyrene	16.05	276	53745	5.38	ng	98
87) Benzo(b)fluoranthene	14.52	252	194735	16.50	ng	97
88) Benzo(k)fluoranthene	14.52	252	194735	17.32	ng	96
89) Benzo(a)pyrene	14.81	252	102886	9.53	ng	96
91) Benzo(g,h,i)perylene	16.40	276	47683	5.13	ng	96

(#) = 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: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

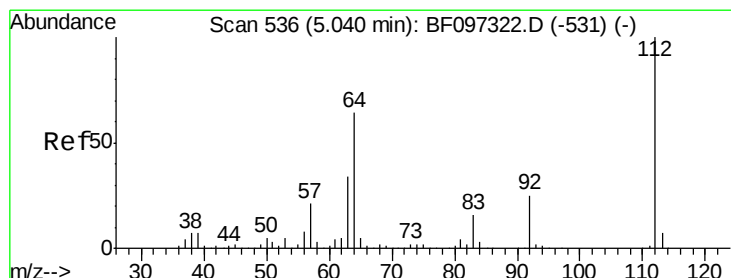
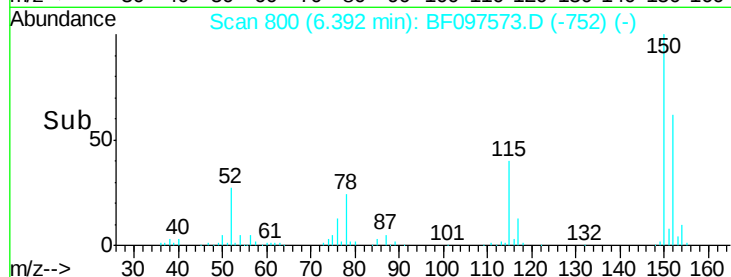
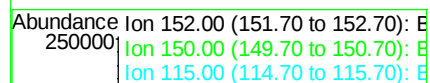
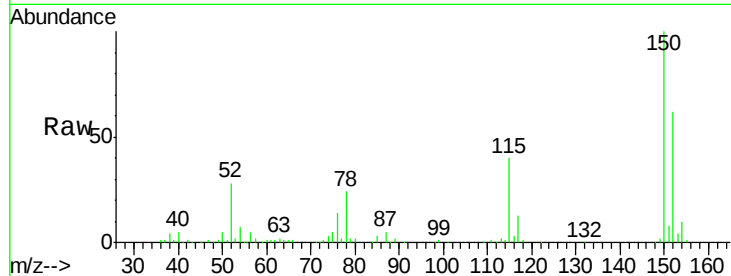
Tot Ion:152 Resp: 109681

Ion Ratio Lower Upper

152 100

150 162.0 126.2 189.2

115 64.3 52.2 78.2



#5

2-Fluorophenol

Concen: 98.94 ng

RT: 4.99 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

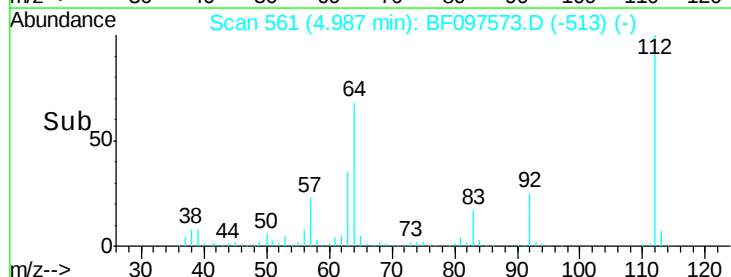
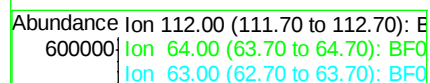
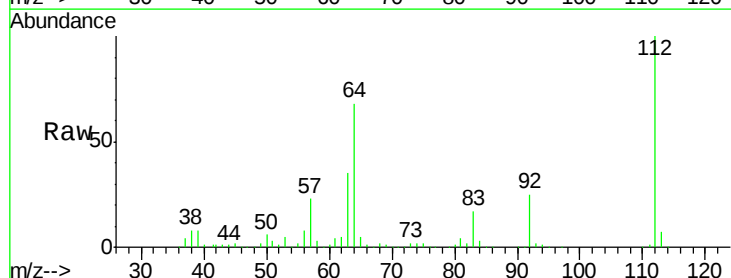
Tgt Ion:112 Resp: 719871

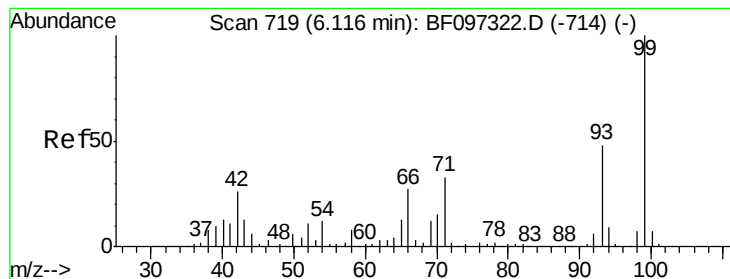
Ion Ratio Lower Upper

112 100

64 68.4 46.0 69.0

63 35.0 23.4 35.0





#7

Phenol-d6

Concen: 99.06 ng

RT: 6.07 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

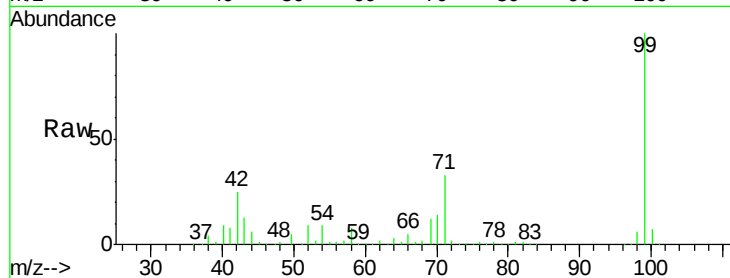
Tot Ion: 99 Resp: 822801

Ion Ratio Lower Upper

99 100

42 24.5 13.5 20.3#

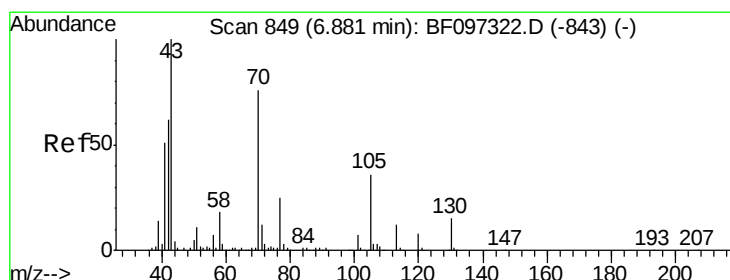
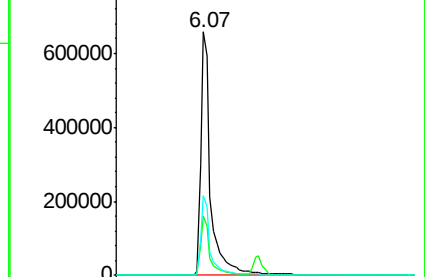
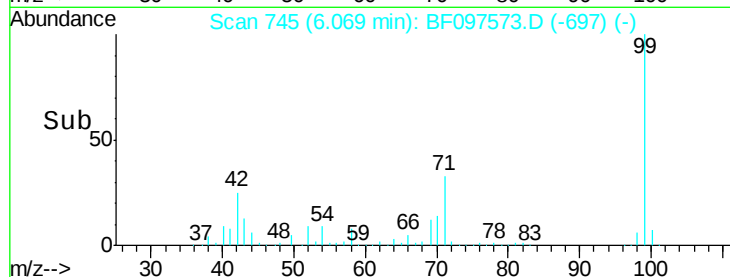
71 33.0 24.5 36.7



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: 12.05 ng

RT: 6.96 min Scan# 897

Delta R.T. 0.11 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

Tgt Ion: 70 Resp: 65872

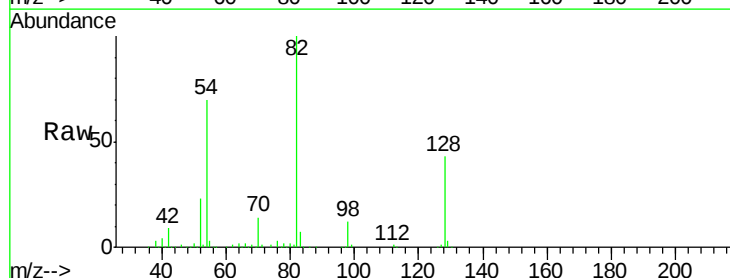
Ion Ratio Lower Upper

70 100

42 63.6 47.2 70.8

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

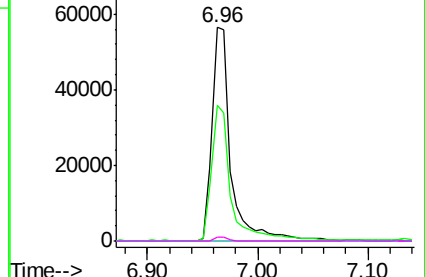
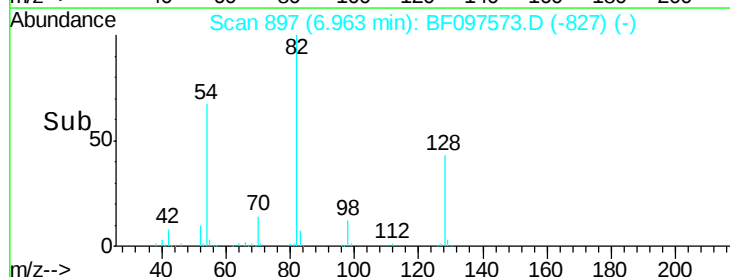


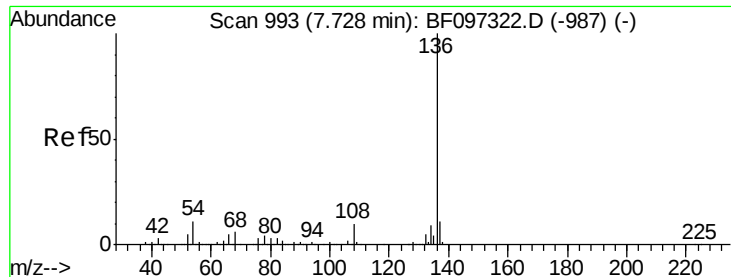
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

Tot Ion:136 Resp: 424985

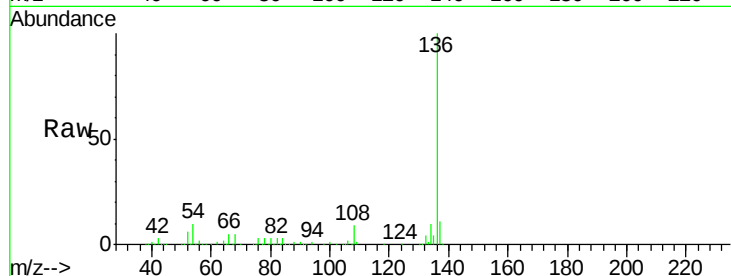
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.2 4.9 7.3#

68 5.0 4.1 6.1

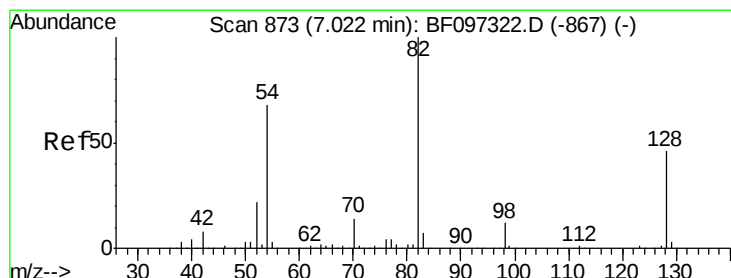
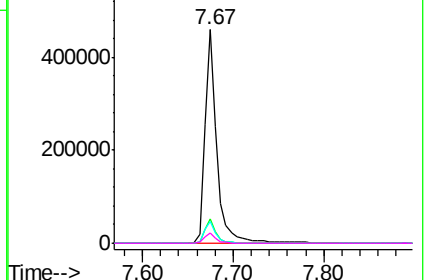
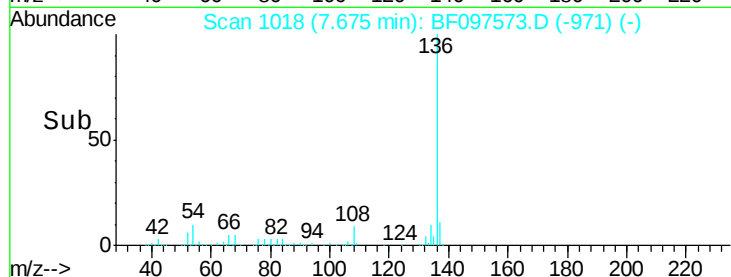


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.07 ng

RT: 6.97 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

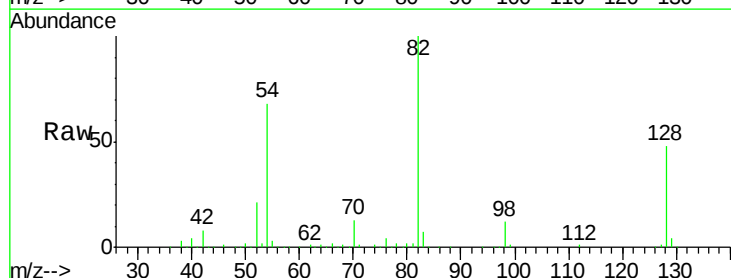
Tgt Ion: 82 Resp: 493112

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

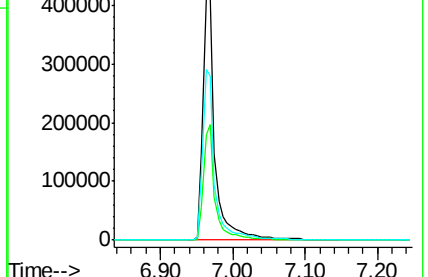
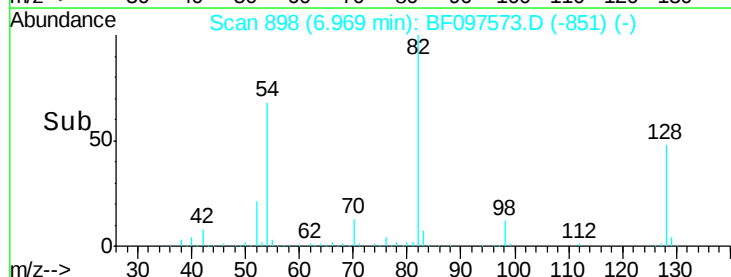
54 67.6 42.2 63.2#

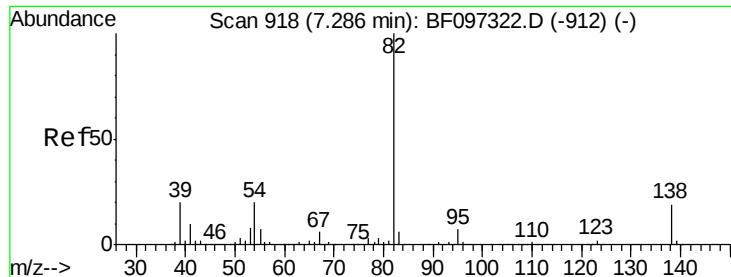


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.76 ng

RT: 6.97 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

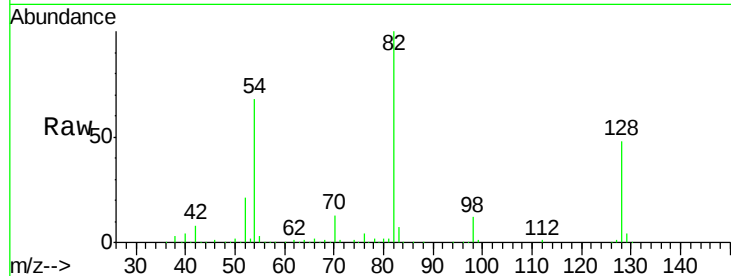
Tot Ion: 82 Resp: 493108

Ion Ratio Lower Upper

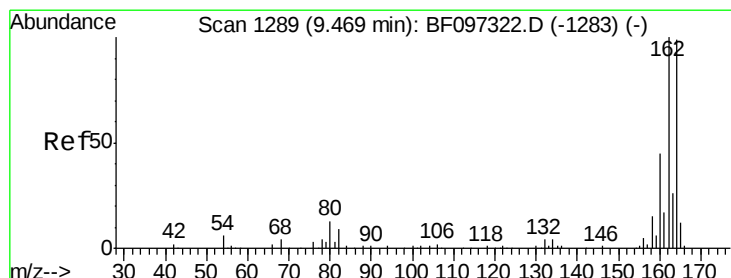
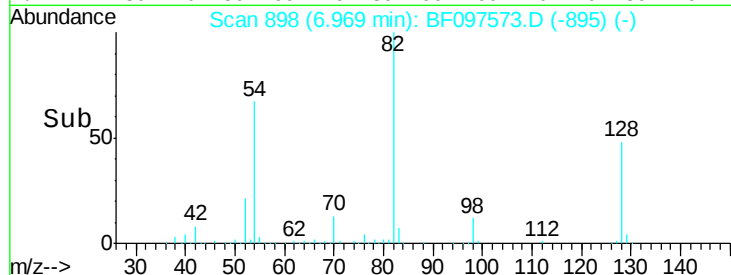
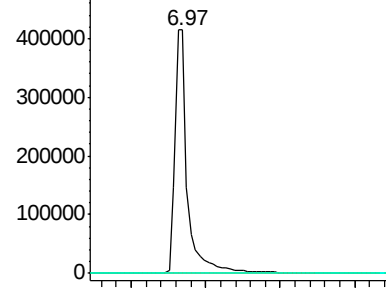
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

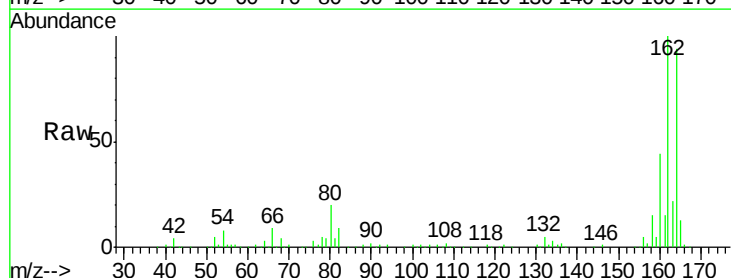
Tgt Ion:164 Resp: 185414

Ion Ratio Lower Upper

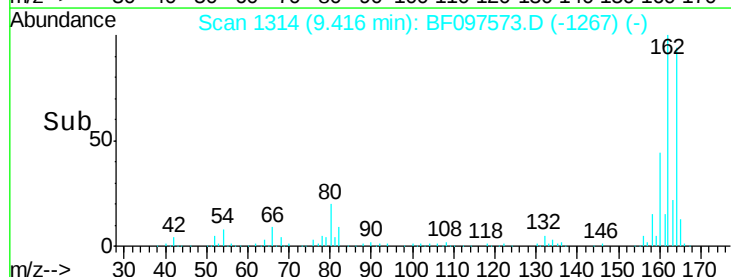
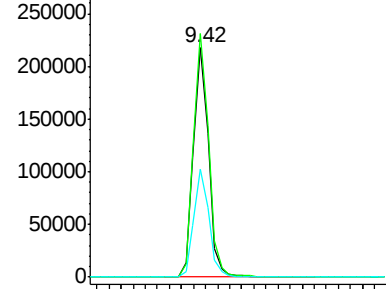
164 100

162 106.1 82.6 123.8

160 46.8 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

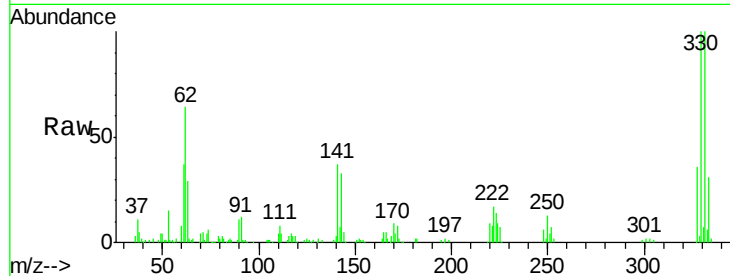




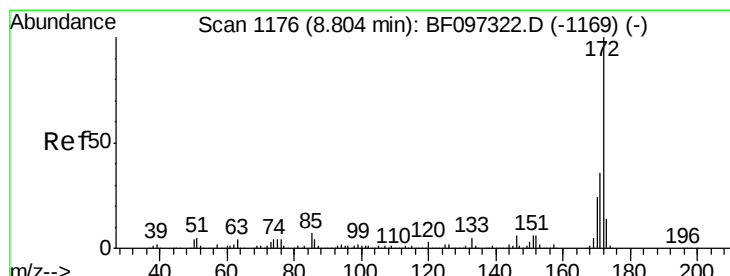
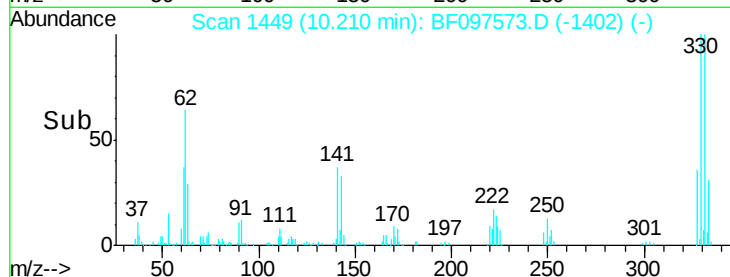
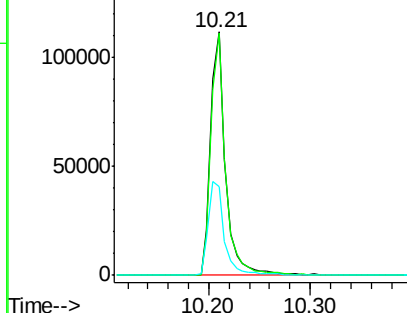
#41
 2,4,6-Tribromophenol
 Concen: 78.62 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097573.D
 Acq: 10 Aug 2017 22:19

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	41.7	31.4	47.2

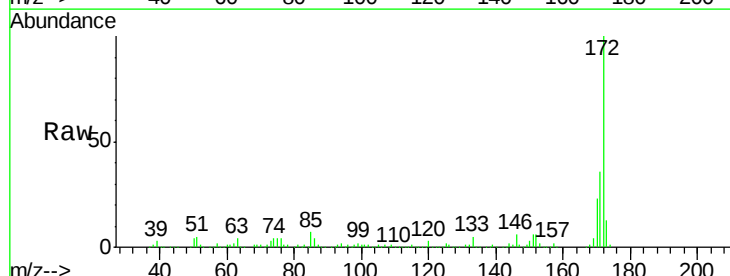


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

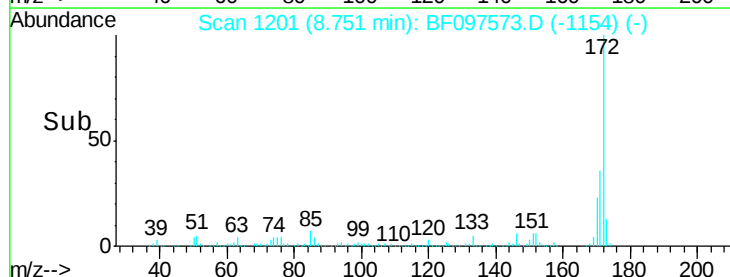
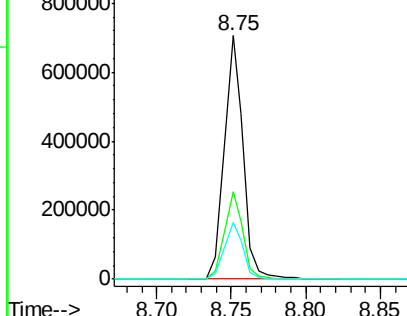


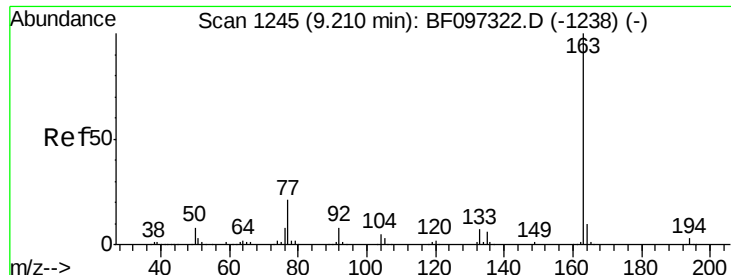
#44
 2-Fluorobiphenyl
 Concen: 57.86 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097573.D
 Acq: 10 Aug 2017 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.4	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

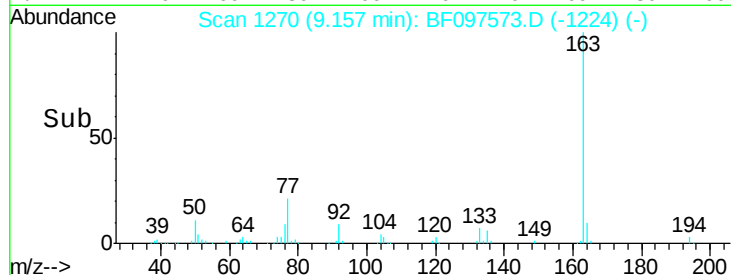
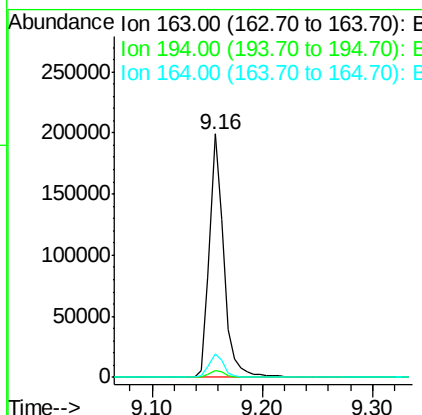
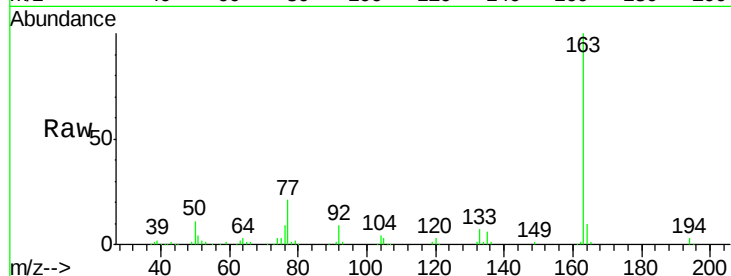




#49
Dimethylphthalate
Concen: 12.40 ng
RT: 9.16 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

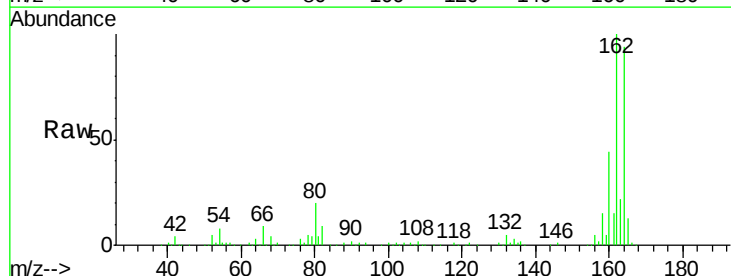
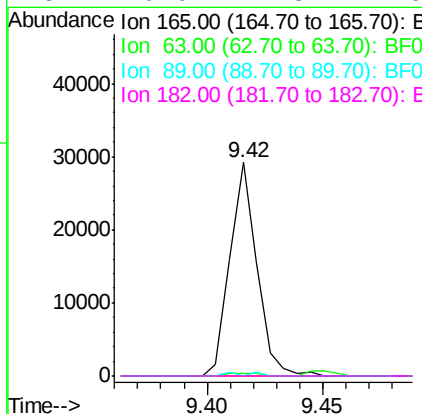
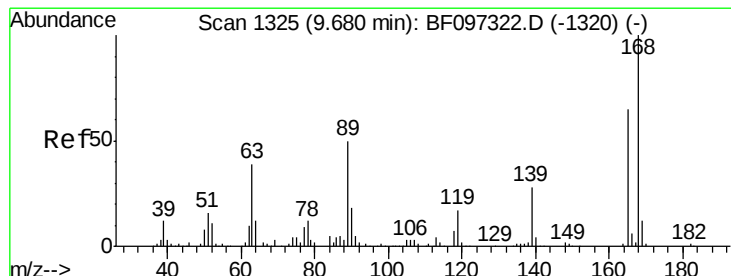
Instrument :
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ClientSampleId :
NYSEG-PH4-ESMI-2A

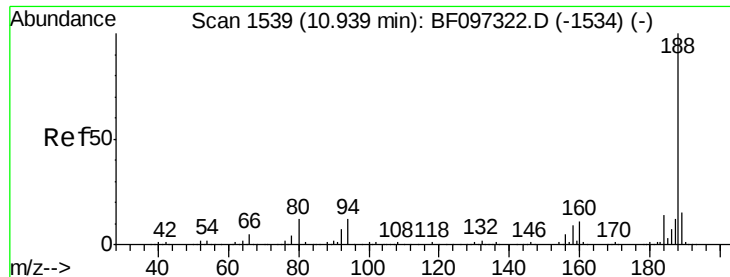
Tot Ion:163 Resp: 174576
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 9.9 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.92 ng
RT: 9.42 min Scan# 1314
Delta R.T. -0.25 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

Tgt Ion:165 Resp: 23769
Ion Ratio Lower Upper
165 100
63 1.4 25.4 38.0#
89 0.0 46.4 69.6#
182 0.0 1.8 2.6#

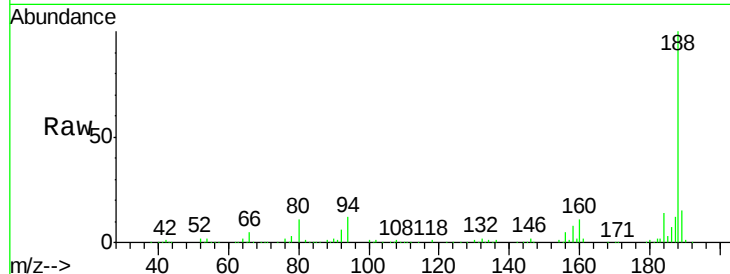




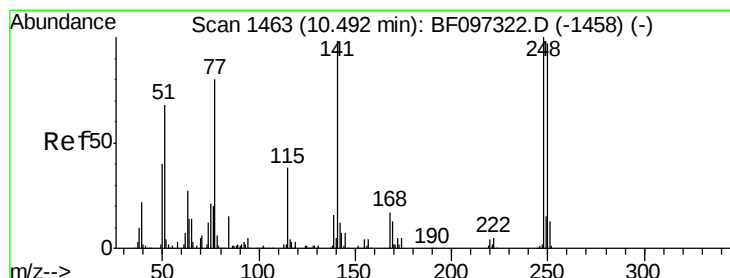
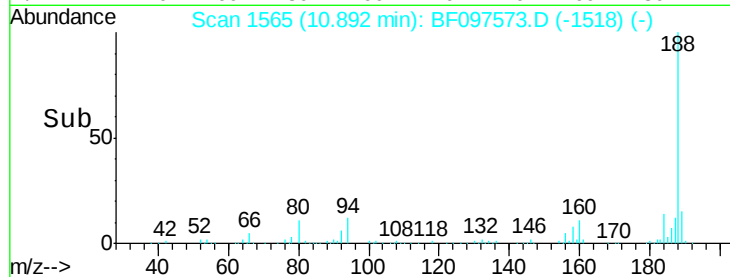
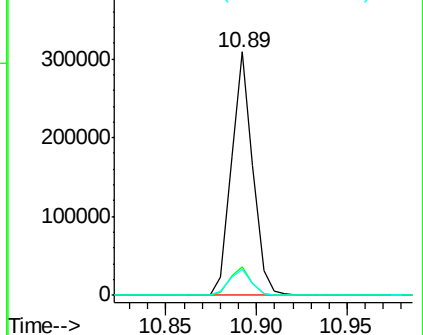
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.89 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

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

Tot Ion:188 Resp: 252471
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.2
80 10.9 10.2 15.2

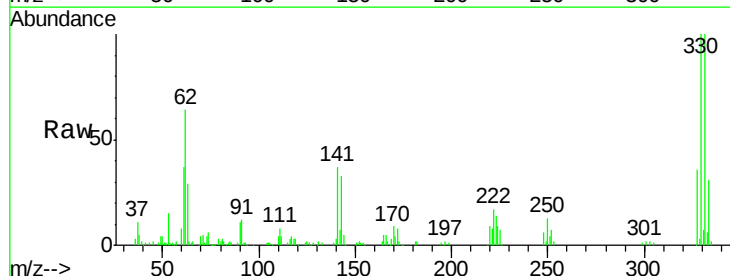


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

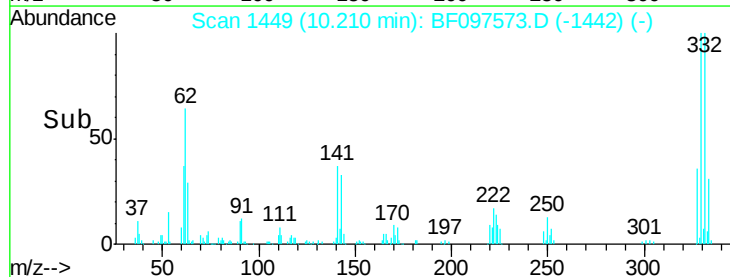
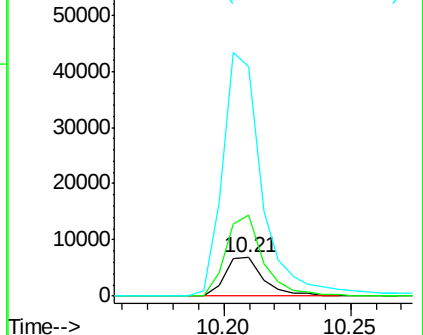


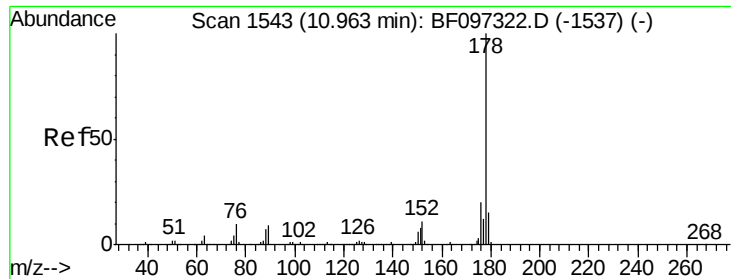
#66
4-Bromophenyl-phenylether
Concen: 2.84 ng
RT: 10.21 min Scan# 1449
Delta R.T. -0.26 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

Tgt Ion:248 Resp: 7148
Ion Ratio Lower Upper
248 100
250 213.0 76.8 115.2#
141 602.4 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: 13.72 ng

RT: 10.92 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

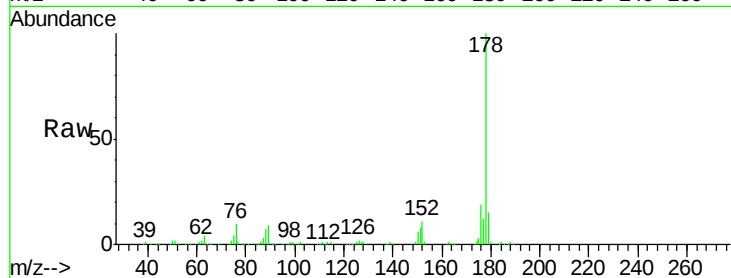
Tot Ion:178 Resp: 185647

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

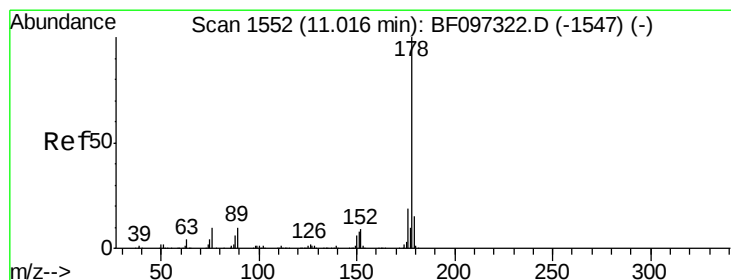
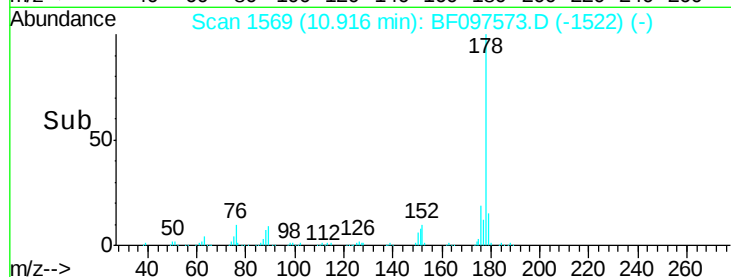
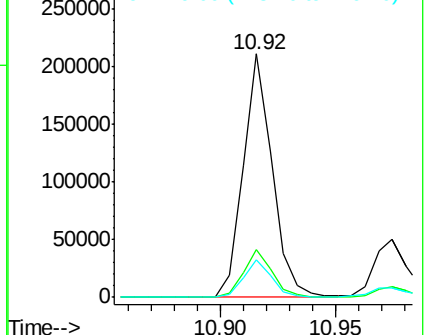
179 15.3 12.6 19.0



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: 3.63 ng

RT: 10.97 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

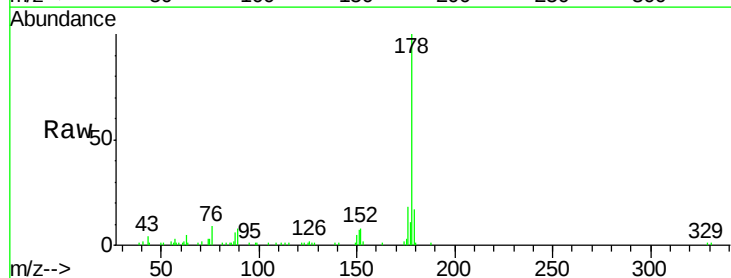
Tgt Ion:178 Resp: 50341

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

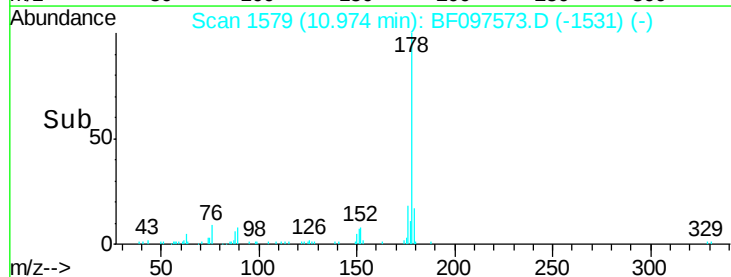
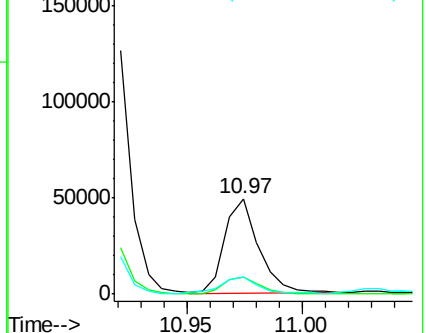
179 17.3 12.7 19.1

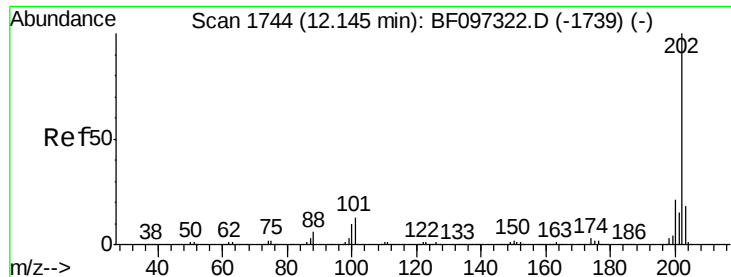


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

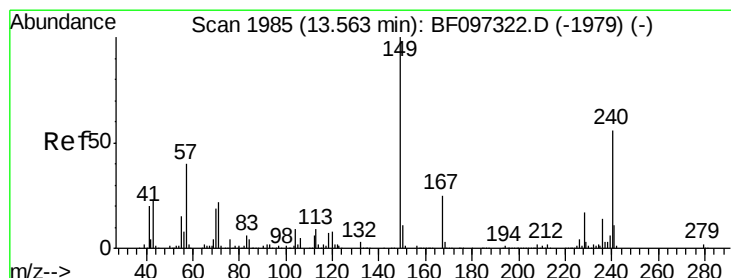
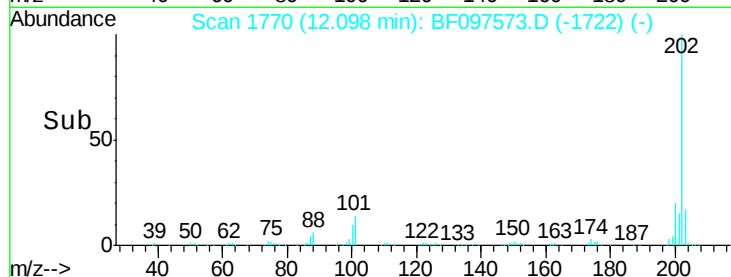
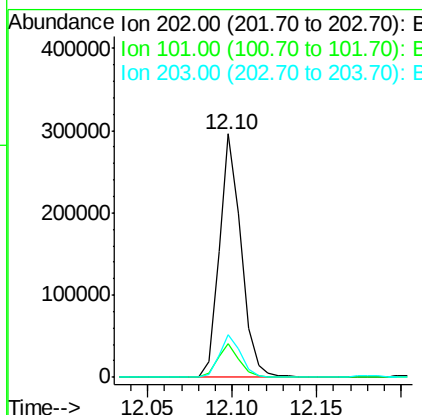
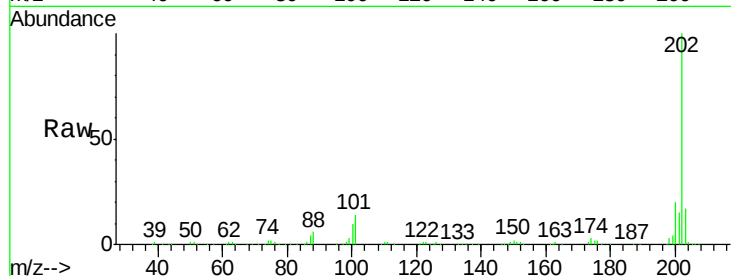




#74
 Fluoranthene
 Concen: 20.12 ng
 RT: 12.10 min Scan# 1770
 Delta R.T. -0.02 min
 Lab File: BF097573.D
 Acq: 10 Aug 2017 22:19

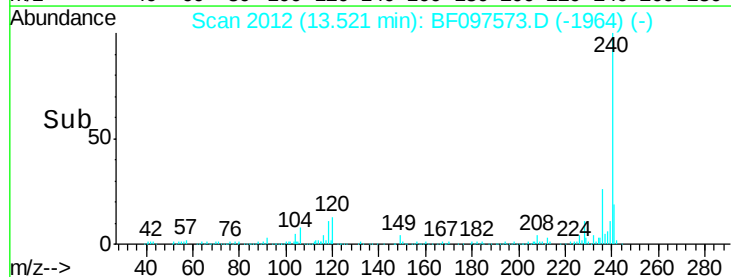
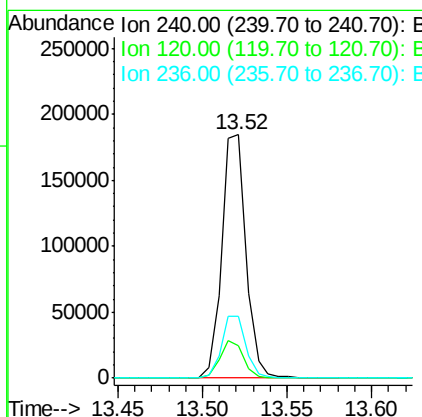
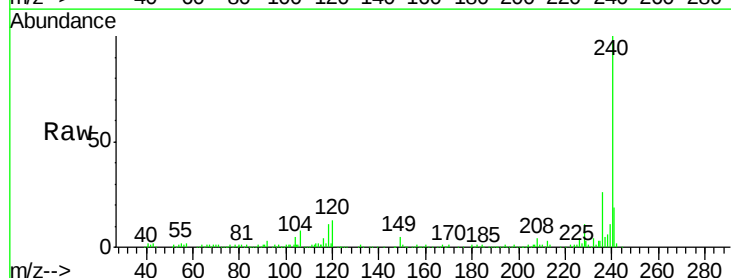
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-2A

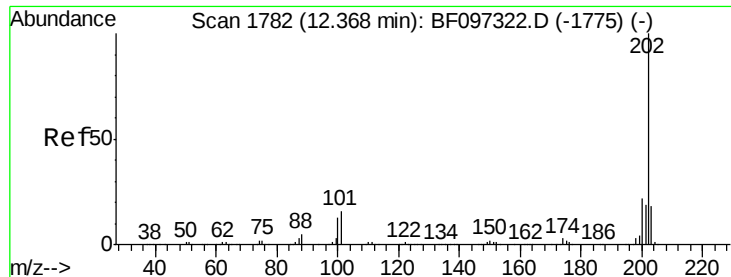
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.52 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF097573.D
 Acq: 10 Aug 2017 22:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.6	20.5	30.7





#77

Pvrene

Concen: 14.62 ng

RT: 12.32 min Scan# 1808

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

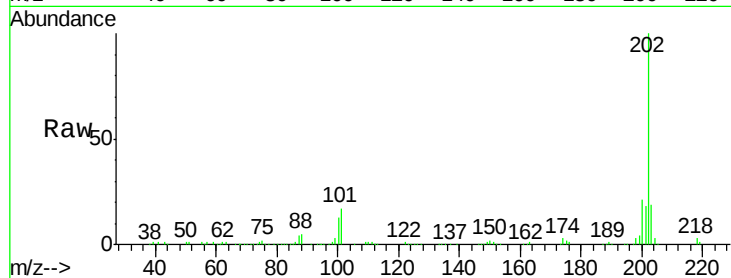
Tot Ion:202 Resp: 220895

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

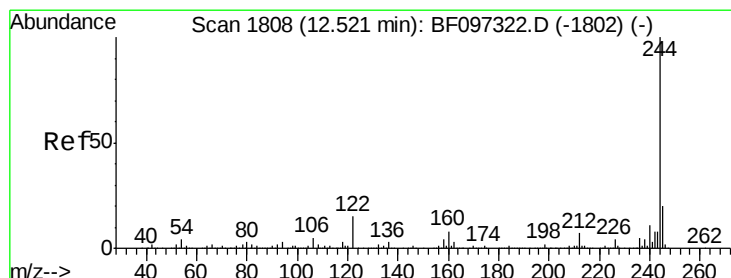
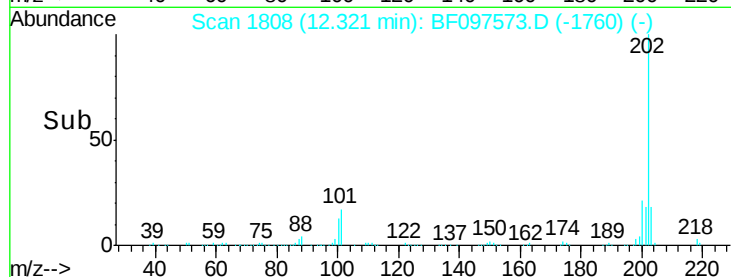
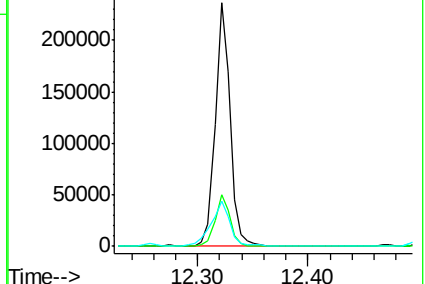
203 18.8 14.4 21.6



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: 33.73 ng

RT: 12.47 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

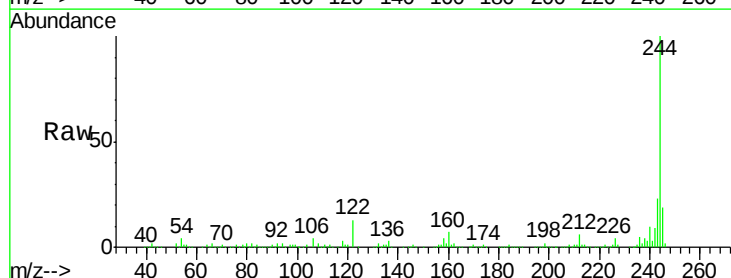
Tgt Ion:244 Resp: 305220

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

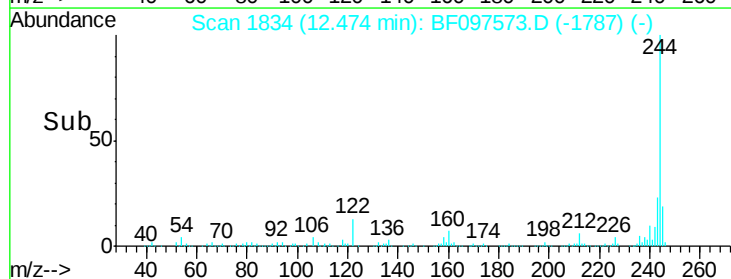
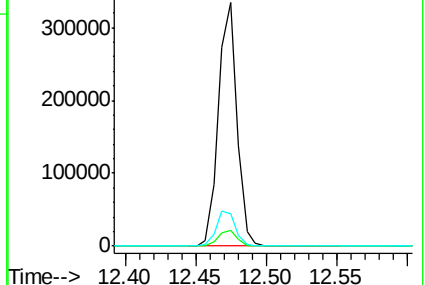
122 13.4 10.3 15.5

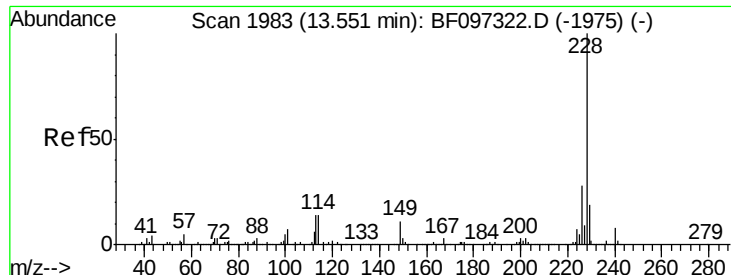


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.80 ng

RT: 13.51 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

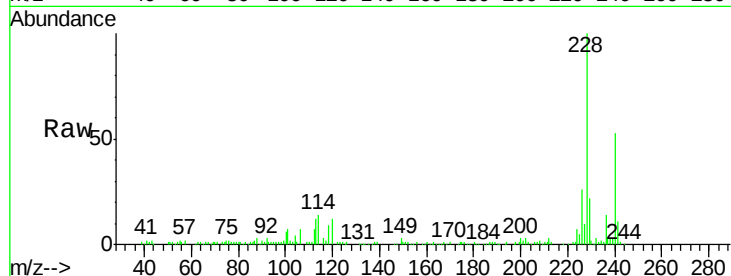
Tot Ion:228 Resp: 116958

Ion Ratio Lower Upper

228 100

226 26.1 22.6 33.8

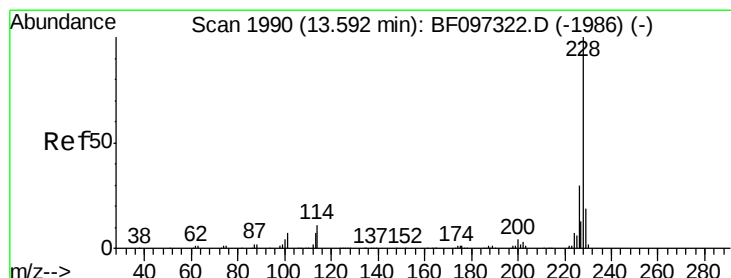
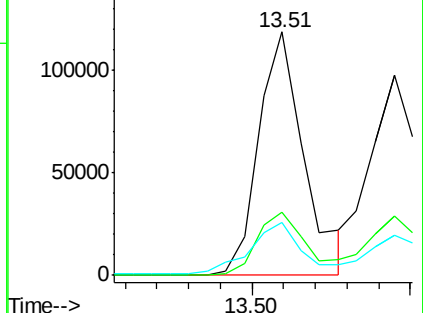
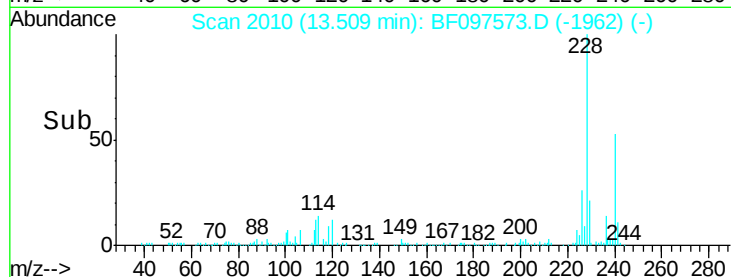
229 21.9 16.3 24.5



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: 8.96 ng

RT: 13.54 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

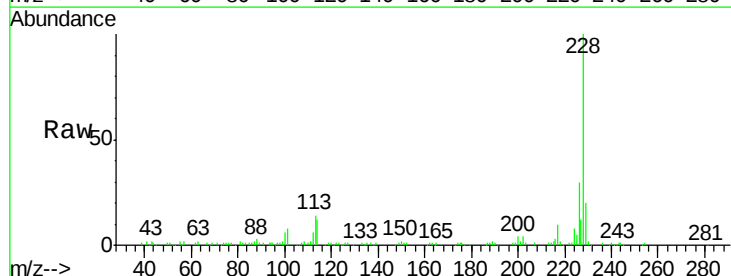
Tgt Ion:228 Resp: 104391

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

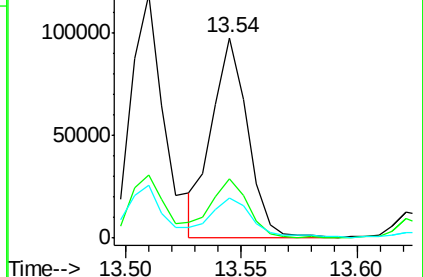
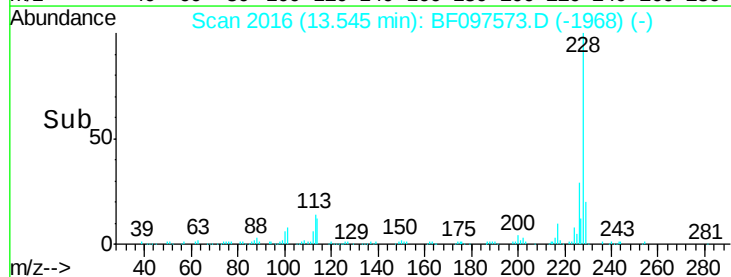
229 20.2 15.8 23.6

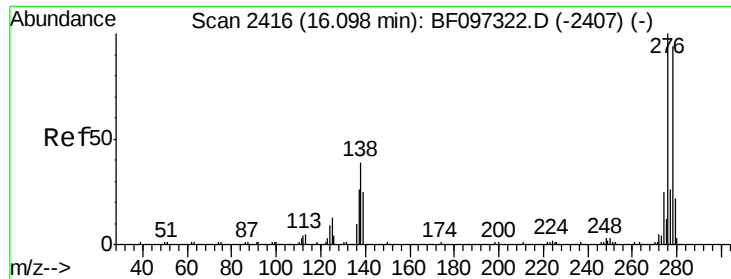


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

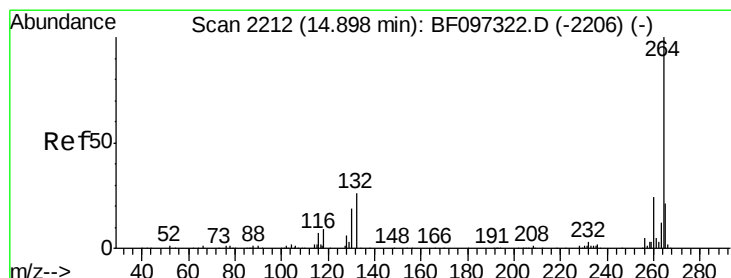
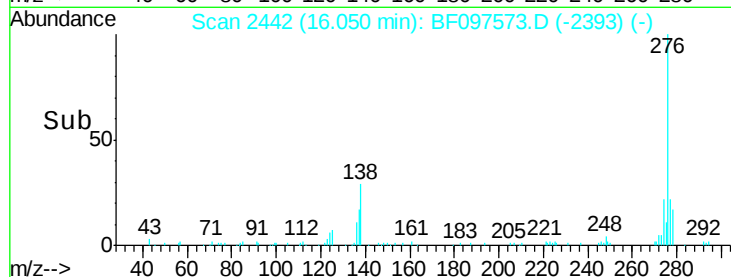
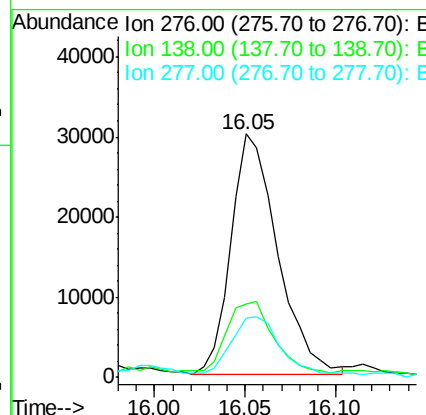
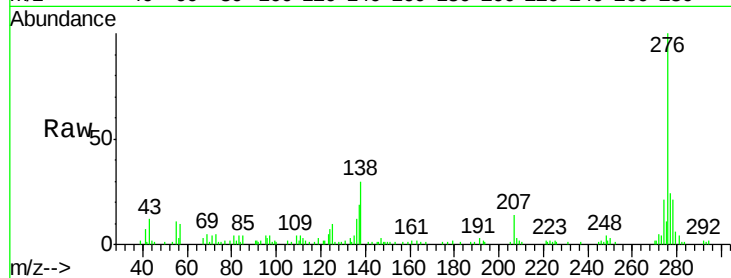




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.38 ng
RT: 16.05 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

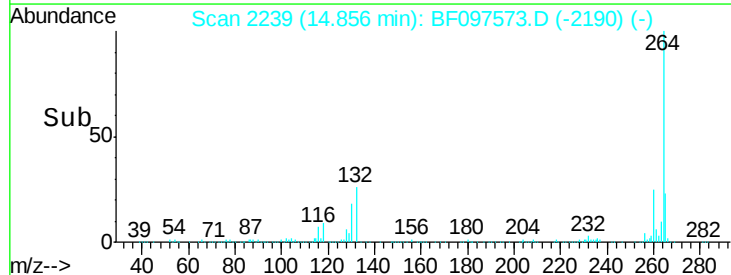
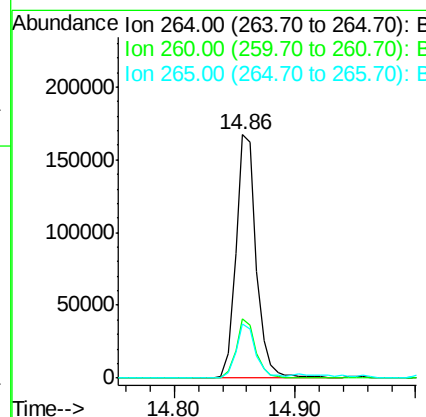
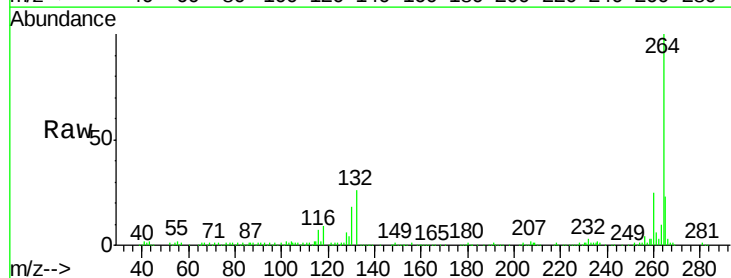
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-2A

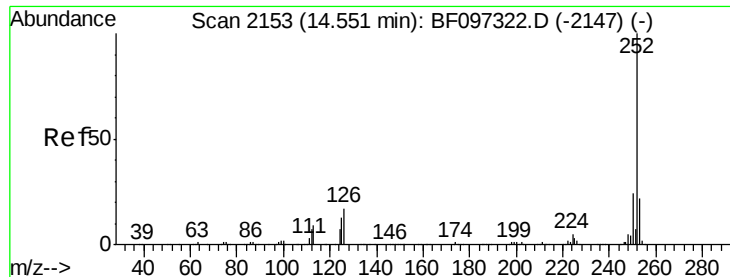
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.3	27.8	41.6
277	24.5	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 16.50 ng

RT: 14.52 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-2A

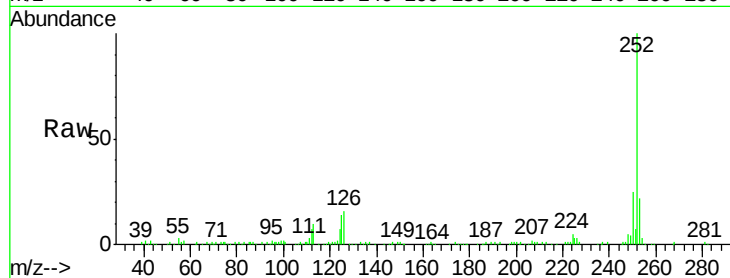
Tot Ion:252 Resp: 194735

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

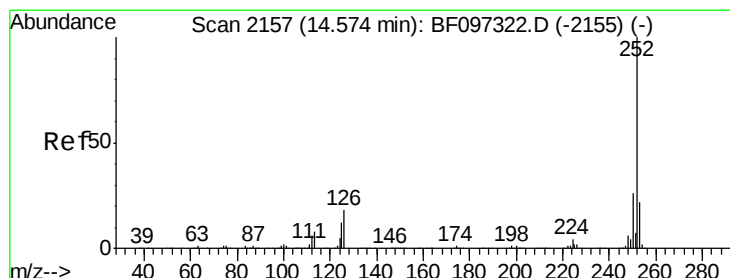
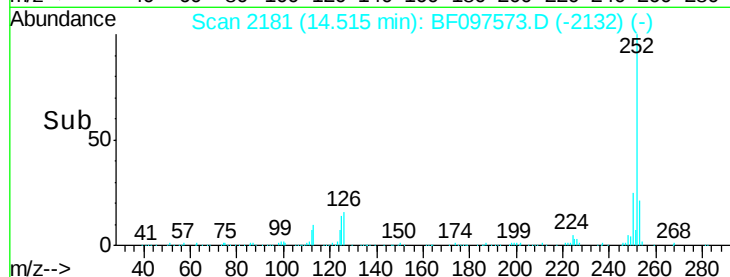
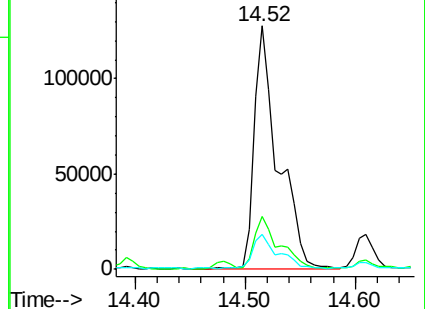
125 14.2 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.32 ng

RT: 14.52 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF097573.D

Acq: 10 Aug 2017 22:19

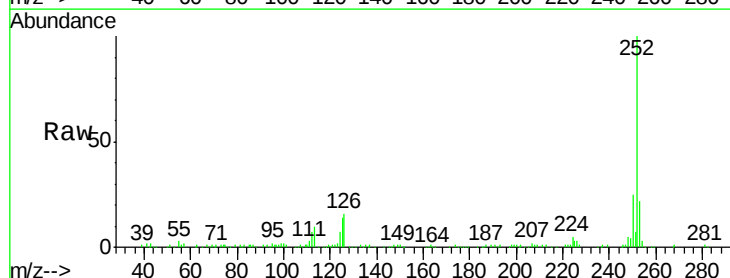
Tgt Ion:252 Resp: 194735

Ion Ratio Lower Upper

252 100

253 21.6 18.4 27.6

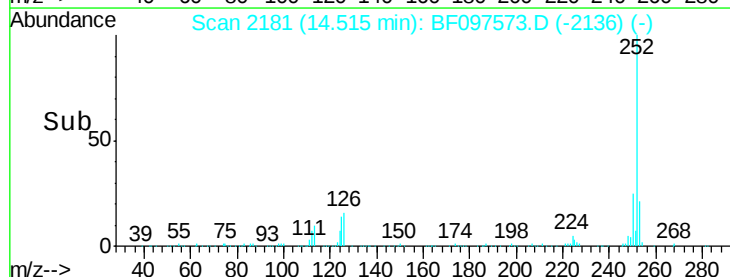
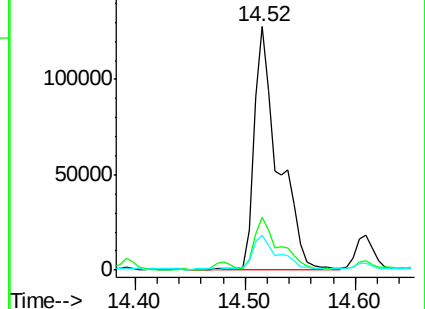
125 14.2 13.1 19.7

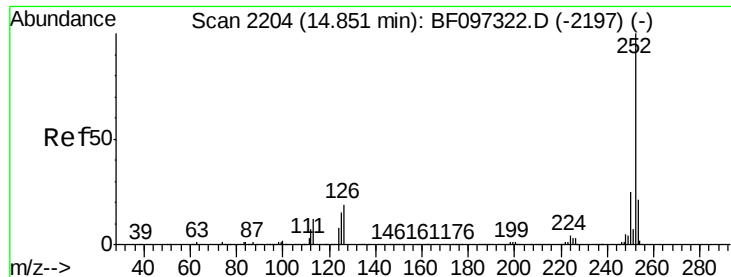


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

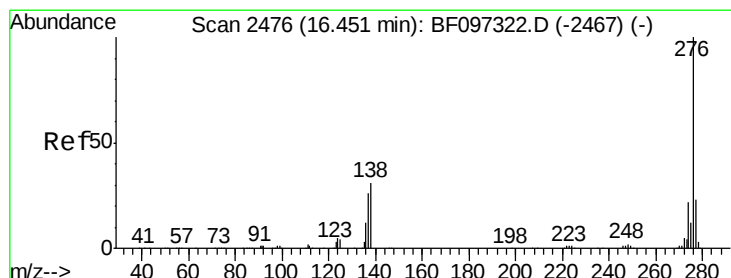
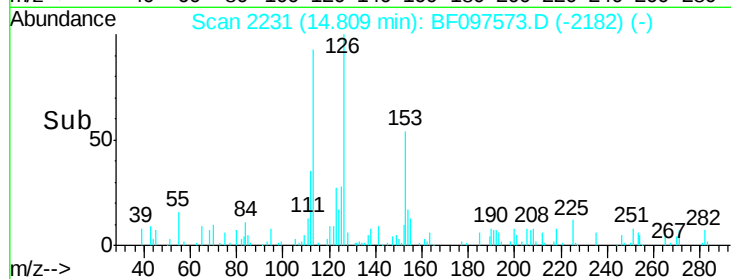
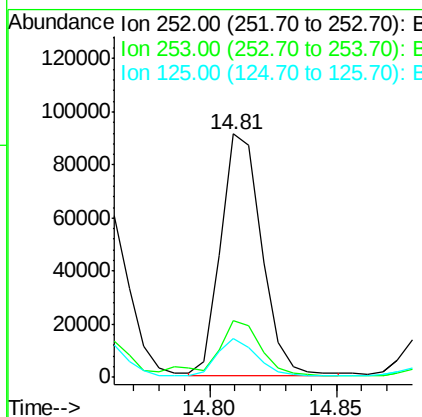
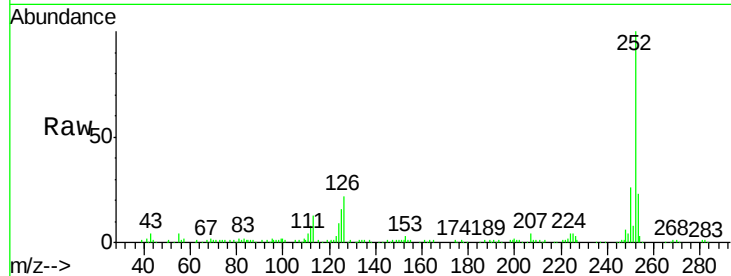




#89
Benzo(a)pyrene
Concen: 9.53 ng
RT: 14.81 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

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

Tot Ion:252 Resp: 102886
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 15.8 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 5.13 ng
RT: 16.40 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF097573.D
Acq: 10 Aug 2017 22:19

Tgt Ion:276 Resp: 47683
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 34.5 25.4 38.0

