

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097663.D
 Acq On : 13 Aug 2017 8:58
 Operator : SJ/JU
 Sample : I4697-13DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-8BDL

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:57 PM

Quant Time: Aug 14 07:54:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	110934	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	507587	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	197081	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	281664	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	202846	20.00	ng	-0.01
86) Perylene-d12	20.11	264	172064	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	130088	18.64	ng	0.05
7) Phenol-d6	7.09	99	164552	19.01	ng	0.03
23) Nitrobenzene-d5	8.42	82	118673	14.66	ng	0.00
41) 2,4,6-Tribromophenol	13.66	330	20623	13.77	ng	0.00
44) 2-Fluorobiphenyl	11.30	172	163931	12.55	ng	-0.02
78) Terphenyl-d14	17.10	244	86798	8.86	ng	-0.02
Target Compounds						Qvalue
51) Acenaphthene	12.40	154	43295	3.500	ng	97
54) Dibenzofuran	12.70	168	50227	2.901	ng	97
57) Fluorene	13.24	166	64595	4.536	ng	97
70) Phenanthrene	14.79	178	561638	34.620	ng	99
71) Anthracene	14.87	178	137001	8.254	ng	97
74) Fluoranthene	16.55	202	404381	27.586	ng	98
77) Pyrene	16.86	202	372949	22.233	ng	97
80) Benzo(a)anthracene	18.44	228	148108	12.502	ng	99
82) Chrysene	18.48	228	136692	11.600	ng	98
85) Indeno(1,2,3-cd)pyrene	21.34	276	54321	5.927	ng	97
87) Benzo(b)fluoranthene	19.71	252	139363	13.488	ng	# 95
88) Benzo(k)fluoranthene	19.74	252	45902m	4.411	ng	
89) Benzo(a)pyrene	20.06	252	106525	11.233	ng	97
91) Benzo(a,h,i)perylene	21.69	276	49205	6.606	ng	93

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

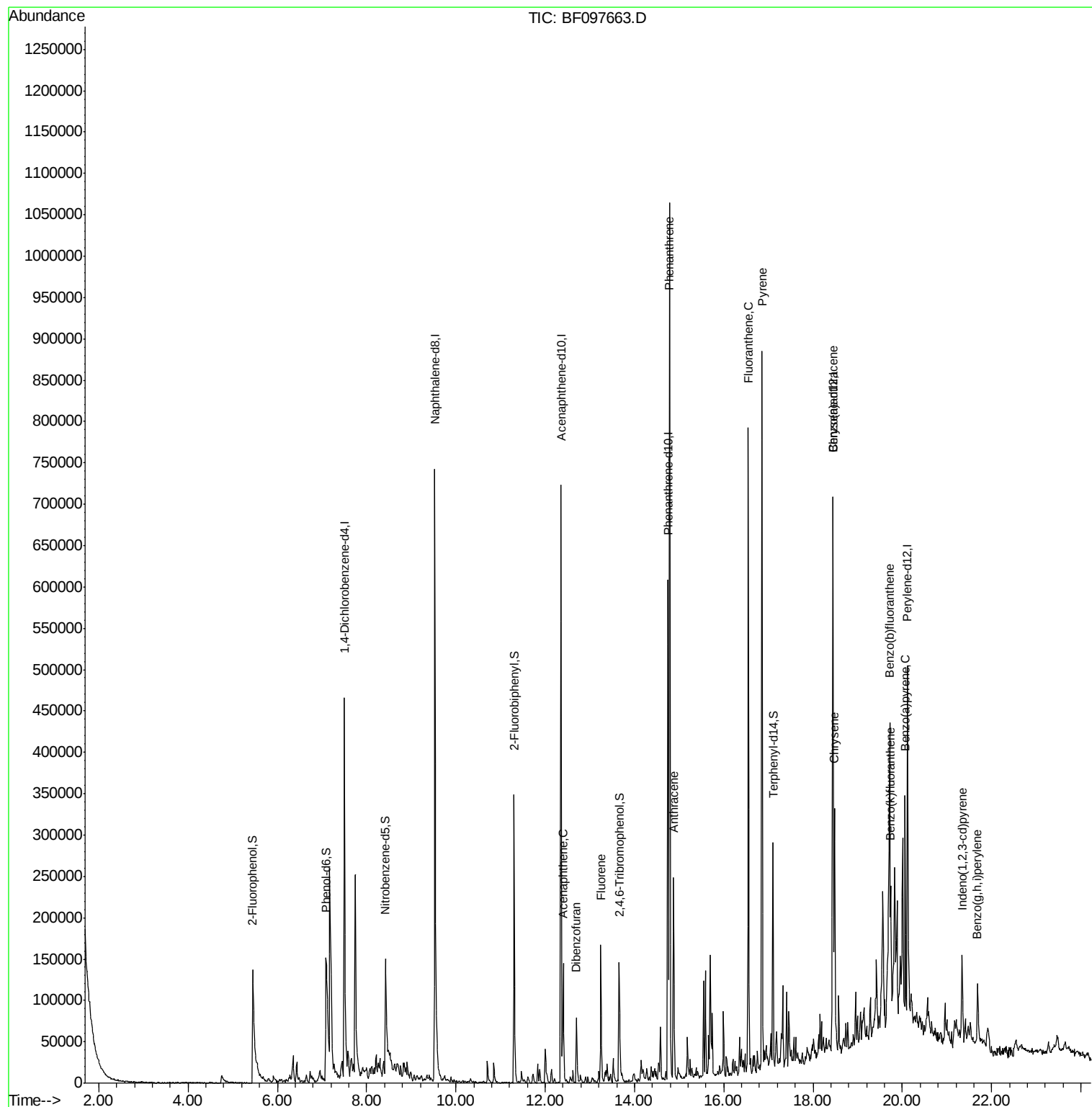
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
Data File : BF097663.D
Acq On : 13 Aug 2017 8:58
Operator : SJ/JU
Sample : I4697-13DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

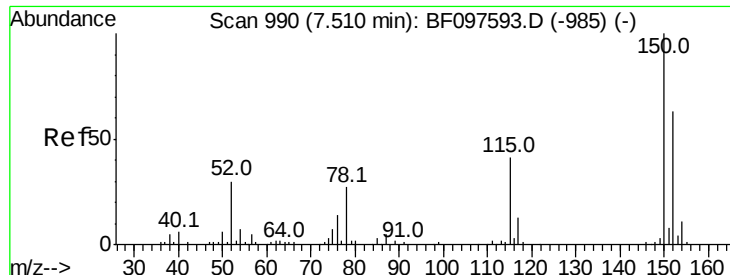
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM

Quant Time: Aug 14 07:54:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 15:55:57 2017
Response via : Initial Calibration





#1

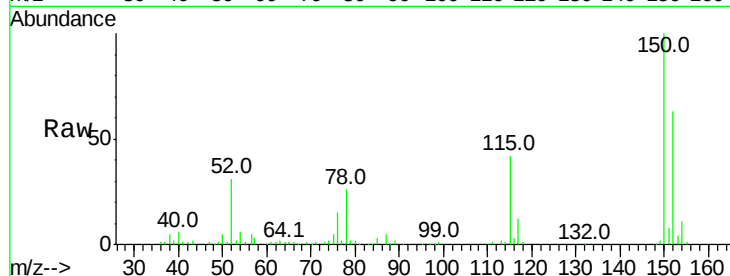
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.50 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	65.9	52.2	78.2

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM

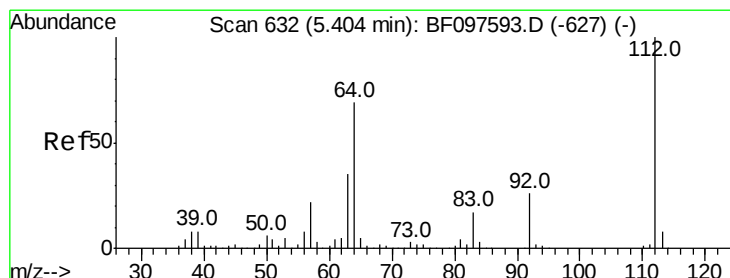
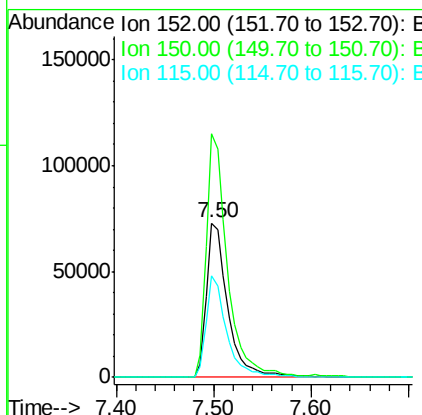
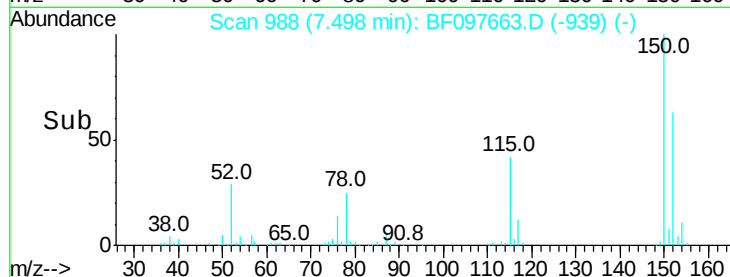


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

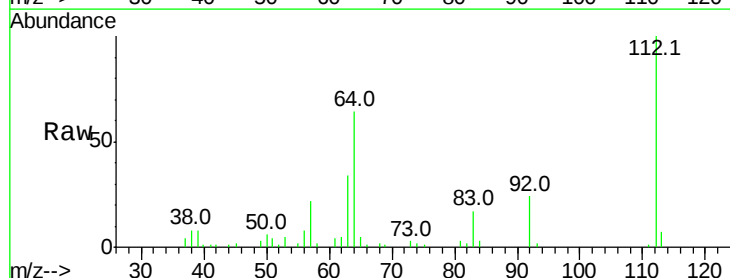
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.639 ng
RT: 5.45 min Scan# 640
Delta R.T. 0.05 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	46.0	69.0
63	34.0	23.4	35.0

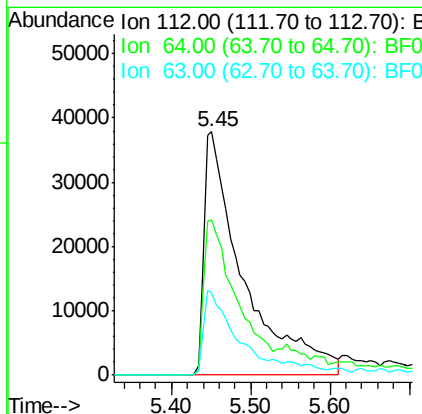
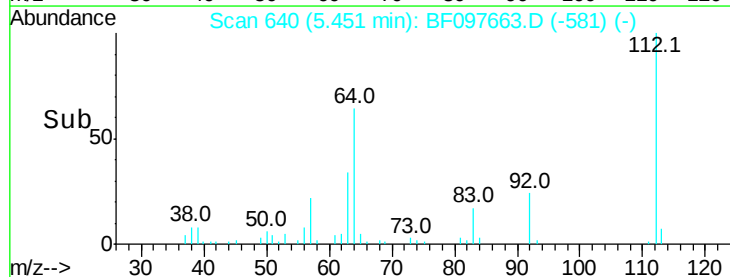


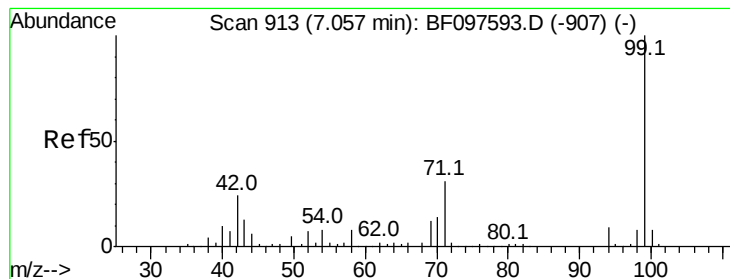
Abundance

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: 19.006 ng

RT: 7.09 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

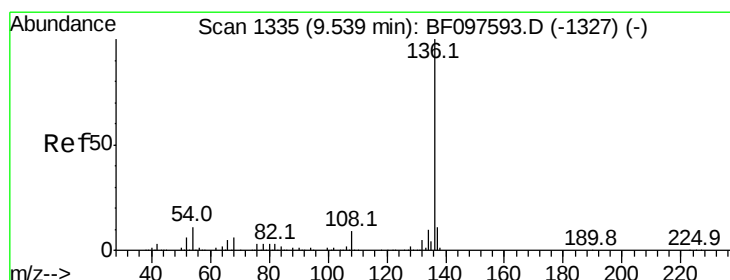
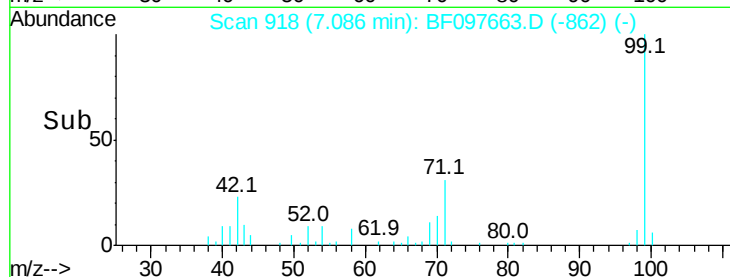
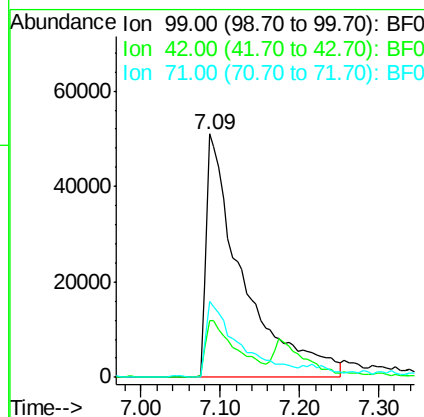
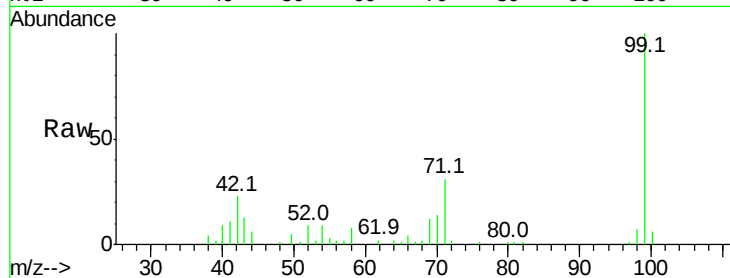
ClientSampleId :

NYSEG-PH4-ESMI-8BDL

Tot Ion:	99	Resp:	164552
Ion Ratio	Lower	Upper	
99	100		
42	23.2	13.5	20.3#
71	31.4	24.5	36.7

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM



#21

Naphthalene-d8

Concen: 20.000 ng

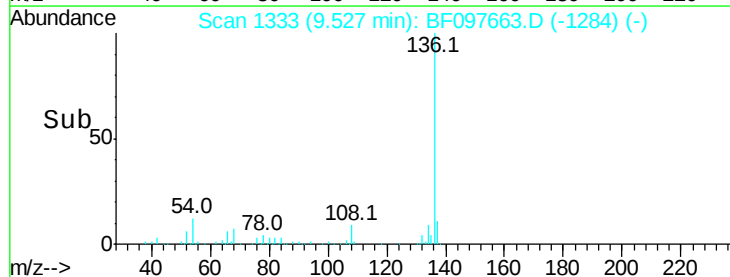
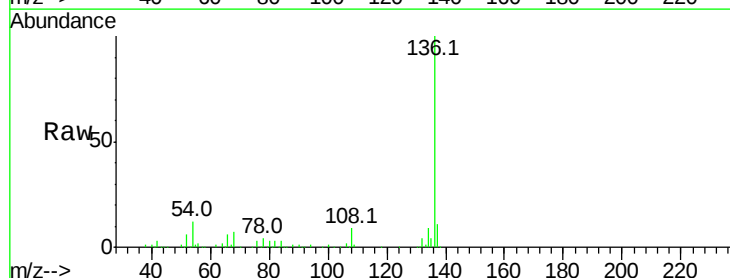
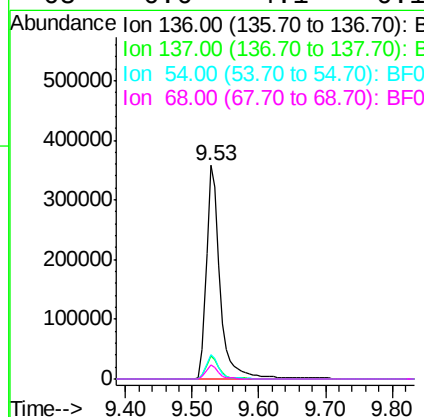
RT: 9.53 min Scan# 1333

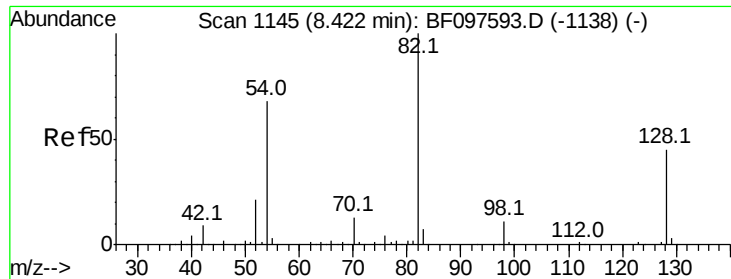
Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Tgt Ion:	136	Resp:	507587
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	11.7	4.9	7.3#
68	6.6	4.1	6.1#





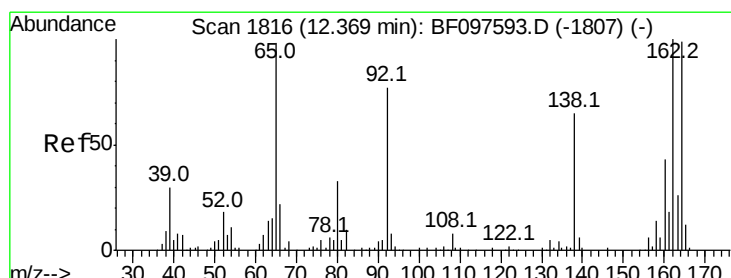
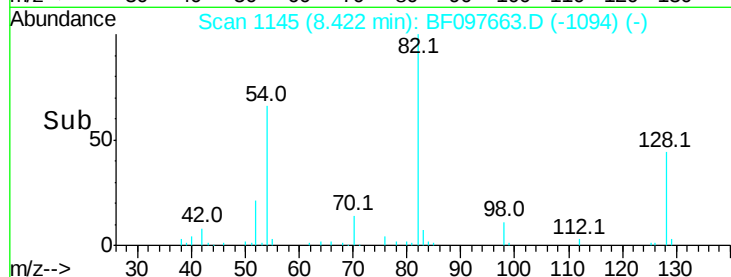
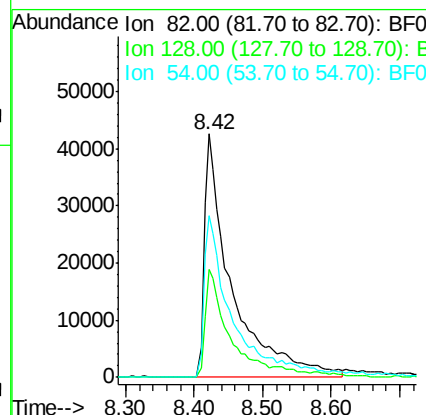
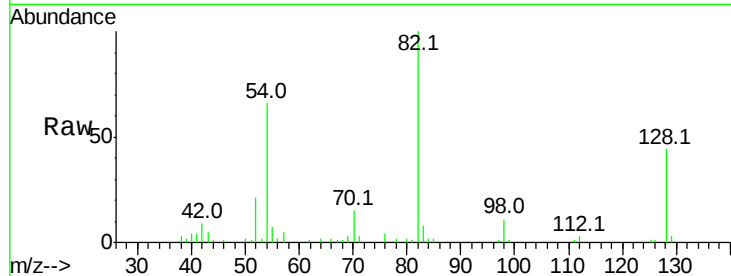
#23
 Nitrobenzene-d5
 Concen: 14.660 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-8BDL

Tot Ion	82	Resp	118673
Ion Ratio	Lower	Upper	
82	100		
128	44.1	34.0	51.0
54	66.3	42.2	63.2#

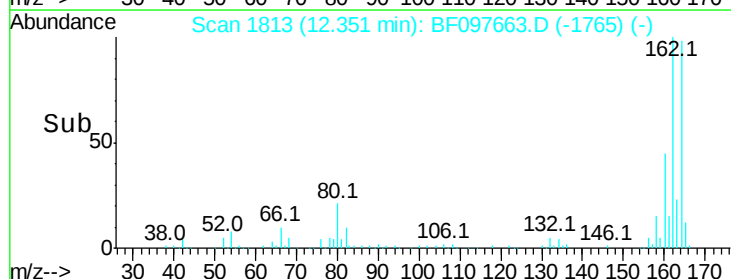
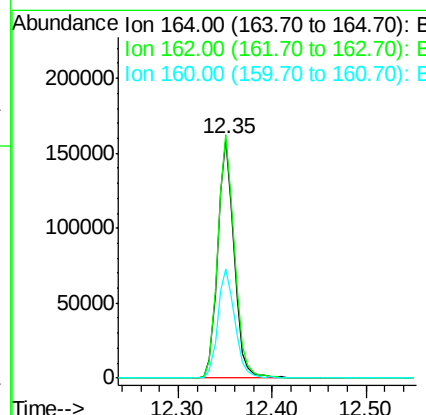
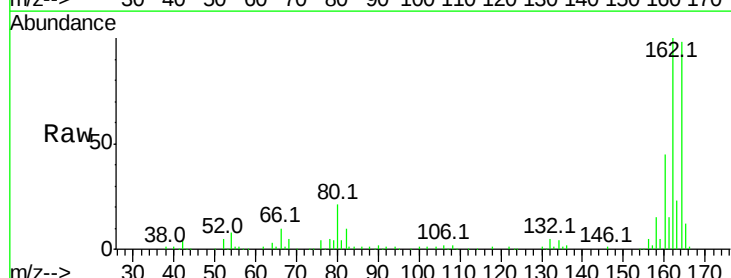
Manual Integrations
 APPROVED

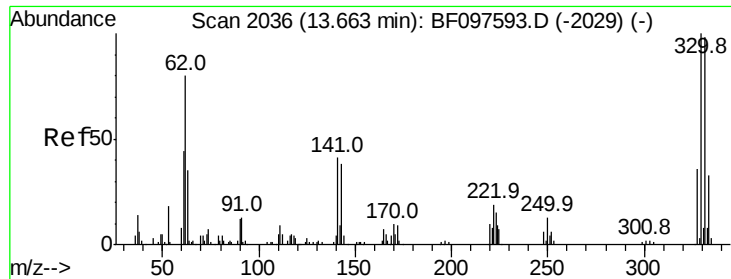
sohil
 8/14/2017 7:07:57 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.35 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

Tgt Ion	164	Resp	197081
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.6	123.8
160	46.0	36.2	54.2





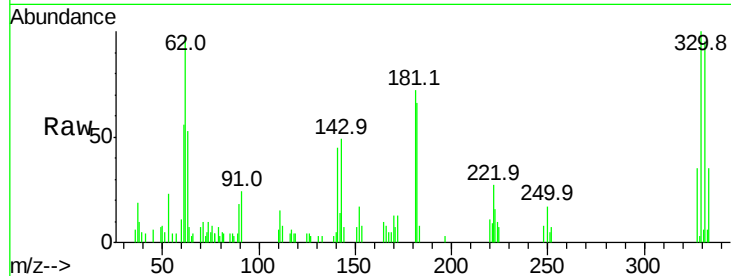
#41
 2,4,6-Tribromophenol
 Concen: 13.765 ng
 RT: 13.66 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.6	115.0	
141	47.8	31.4	47.2#	

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:57 PM

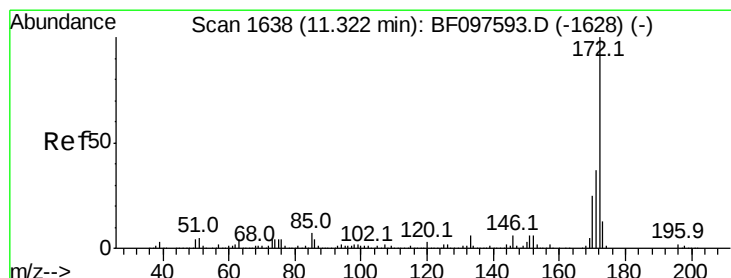
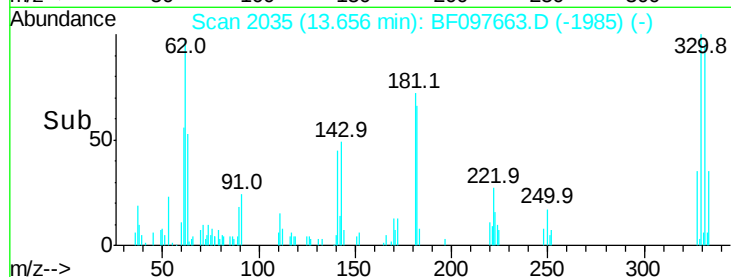
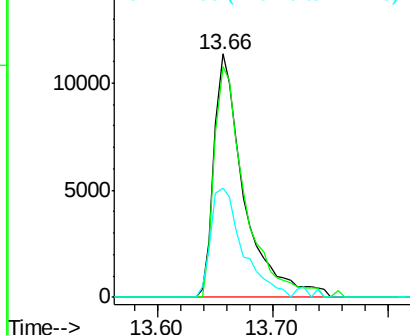


Abundance

Ion 329.80 (329.50 to 330.50): E

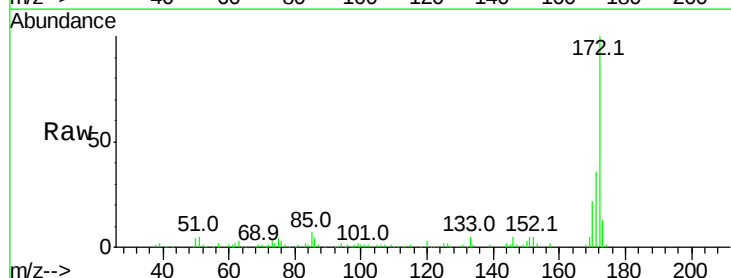
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 12.553 ng
 RT: 11.30 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF097663.D
 Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.6	44.4	
170	22.3	19.8	29.8	

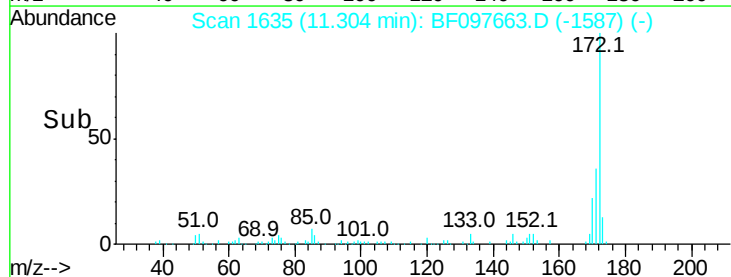
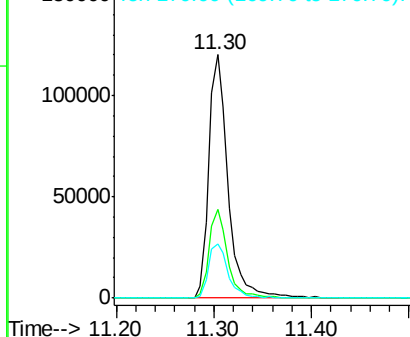


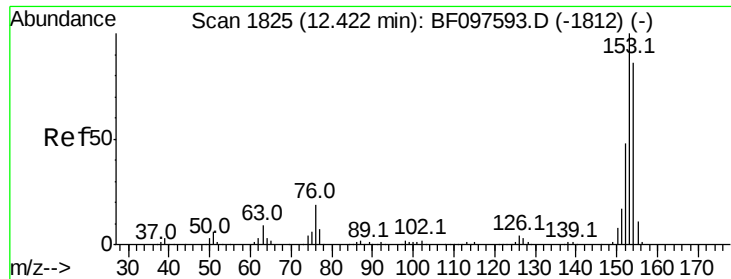
Abundance

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





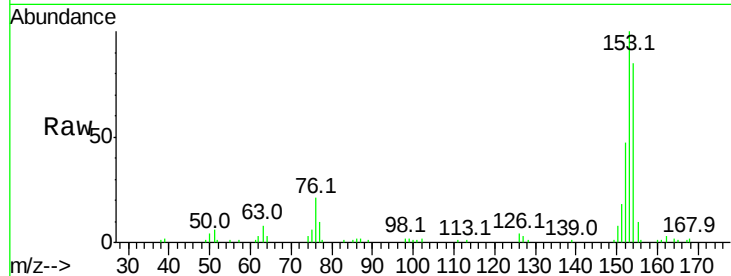
#51
Acenaphthene
Concen: 3.500 ng
RT: 12.40 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

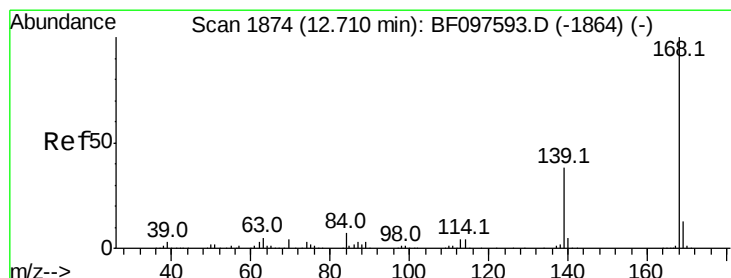
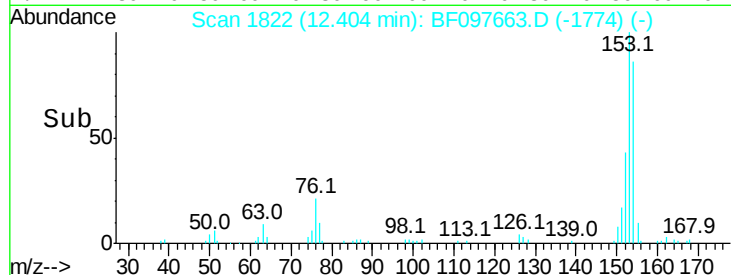
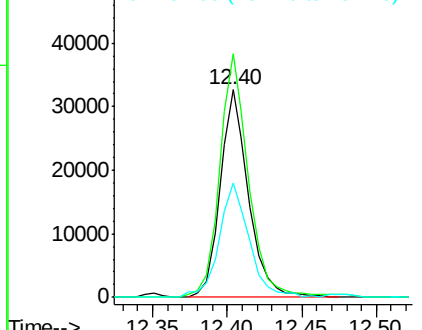
Tot Ion	Ratio	Lower	Upper
154	100		
153	117.4	90.5	135.7
152	55.1	43.6	65.4

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM



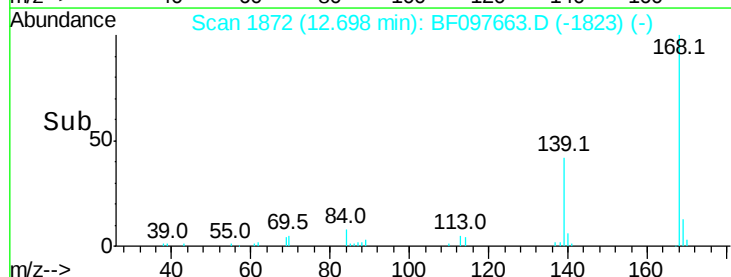
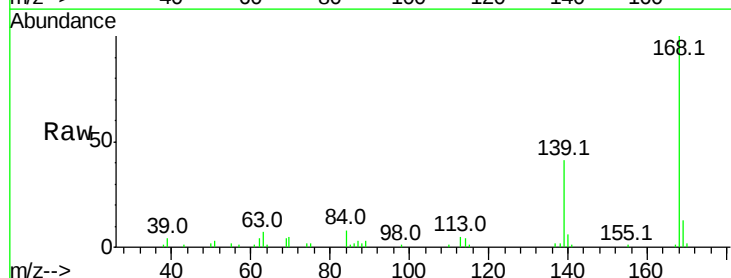
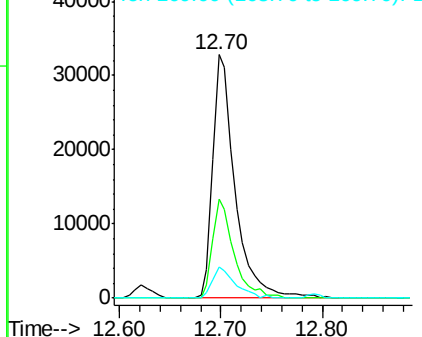
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

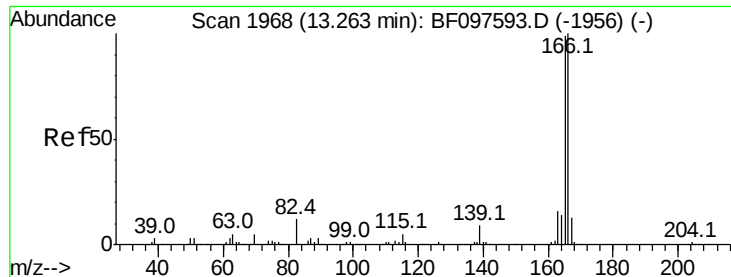


#54
Dibenzofuran
Concen: 2.901 ng
RT: 12.70 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.8	30.6	45.8
169	13.0	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.536 ng

RT: 13.24 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-8BDL

Tot Ion:166 Resp: 64595

Ion Ratio Lower Upper

166 100

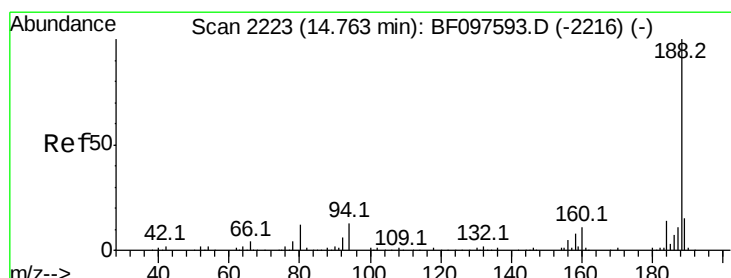
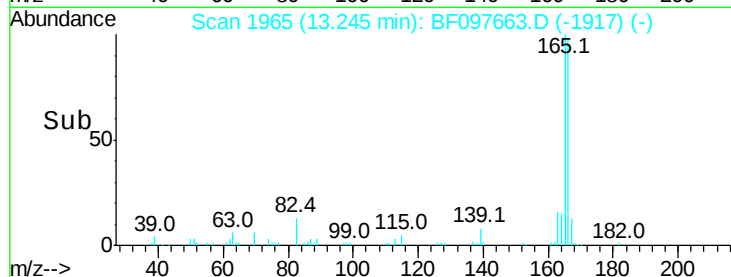
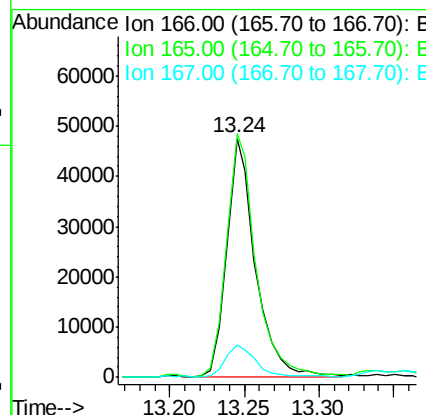
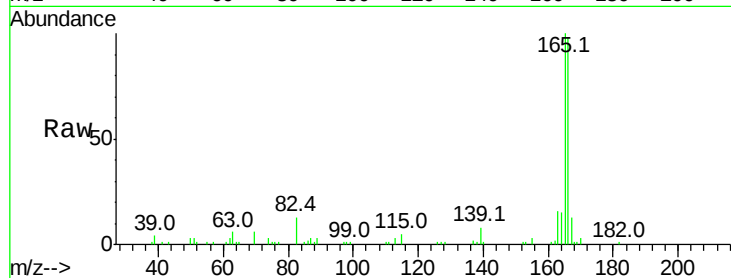
165 102.1 78.8 118.2

167 13.4 10.6 16.0

Manual Integrations
APPROVED

sohil

8/14/2017 7:07:57 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

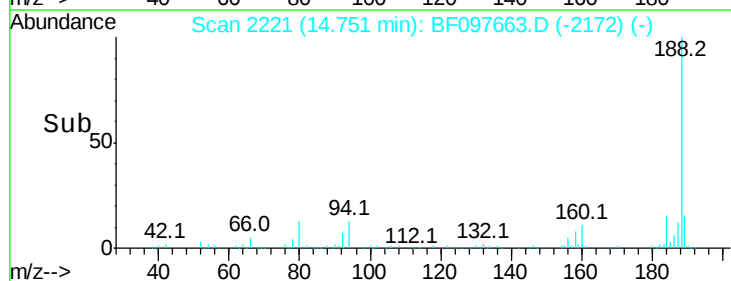
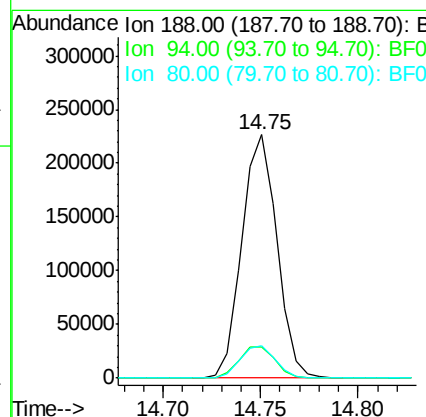
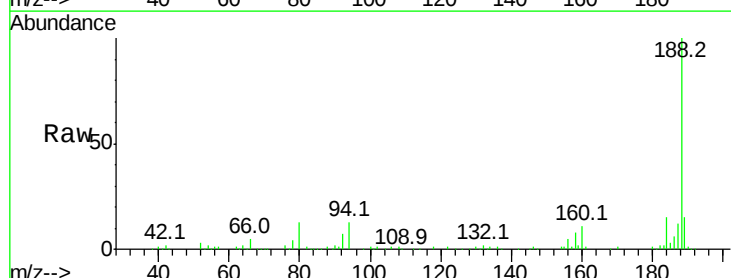
Tgt Ion:188 Resp: 281664

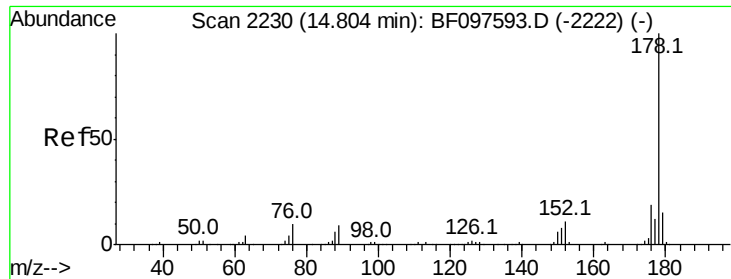
Ion Ratio Lower Upper

188 100

94 13.0 9.4 14.2

80 13.1 10.2 15.2





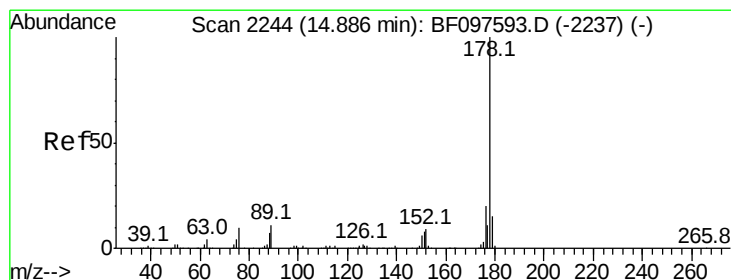
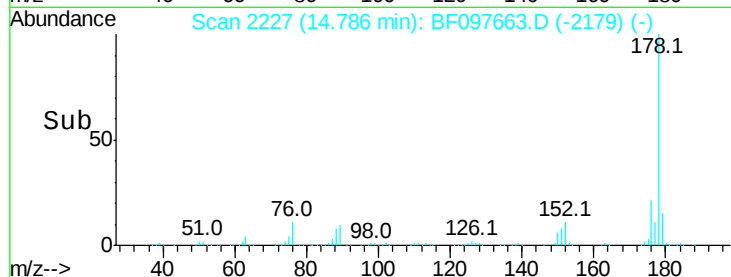
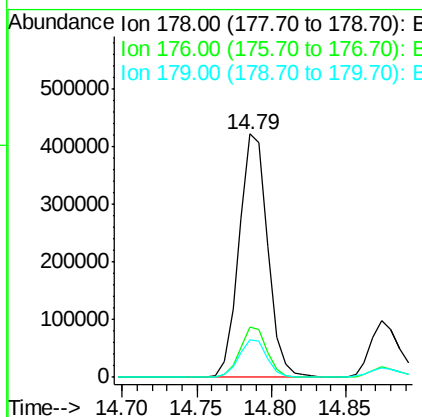
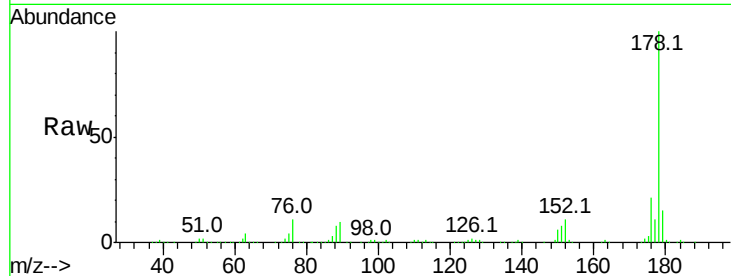
#70
Phenanthrene
Concen: 34.620 ng
RT: 14.79 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.2	24.4
179	15.2	12.6	19.0

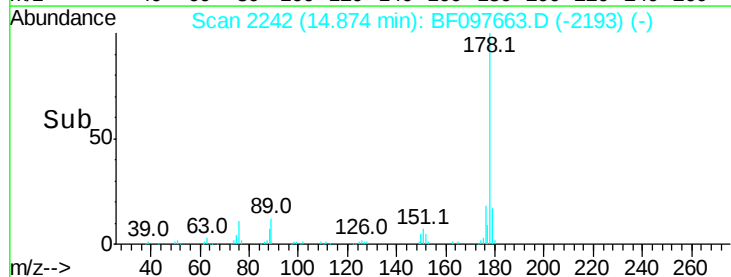
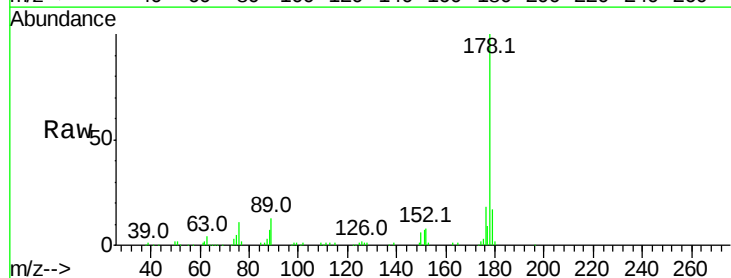
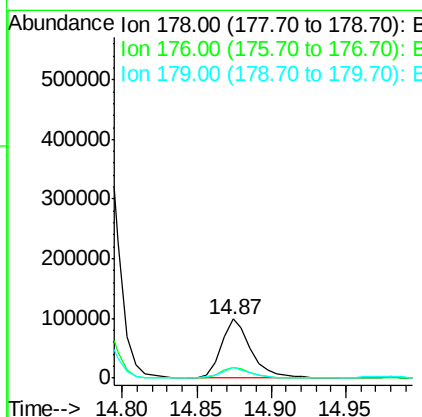
Manual Integrations
APPROVED

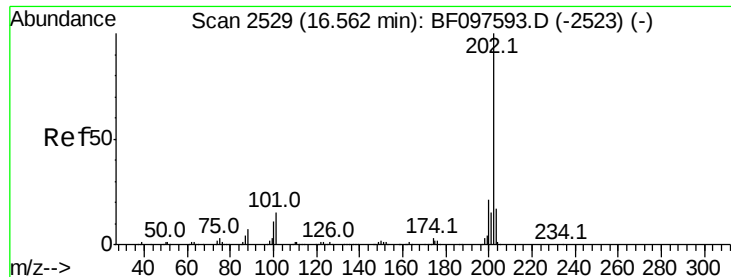
sohil
8/14/2017 7:07:57 PM



#71
Anthracene
Concen: 8.254 ng
RT: 14.87 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	17.1	12.7	19.1





#74

Fluoranthene

Concen: 27.586 ng

RT: 16.55 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

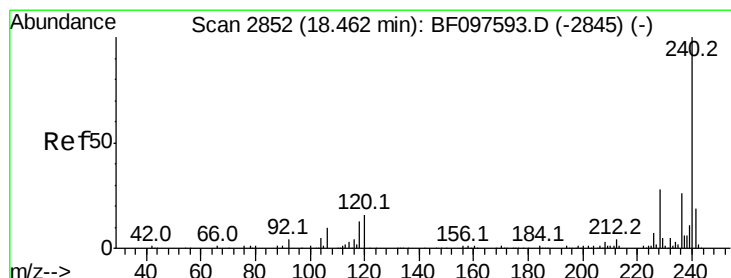
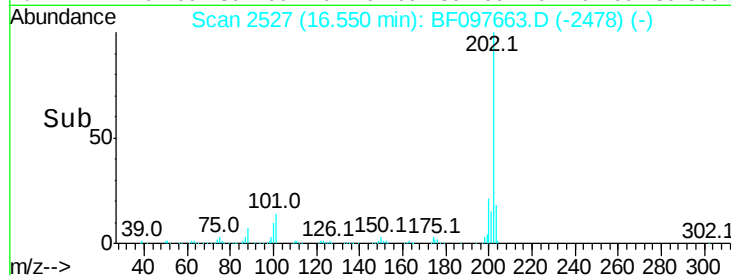
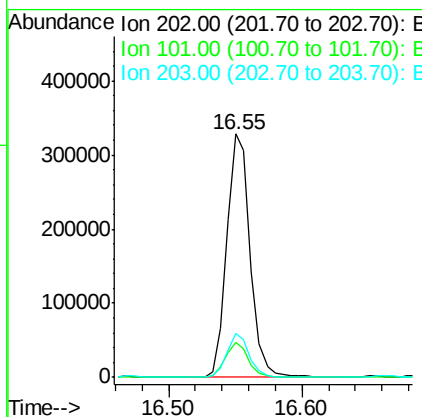
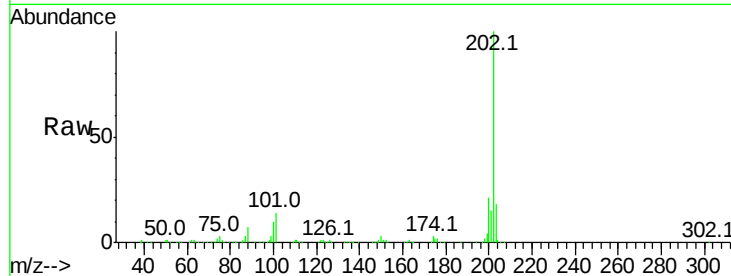
ClientSampleId :

NYSEG-PH4-ESMI-8BDL

Tot Ion:	202	Resp:	404381
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	33.2
203	17.8	0.0	38.1

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM



#75

Chrysene-d12

Concen: 20.000 ng

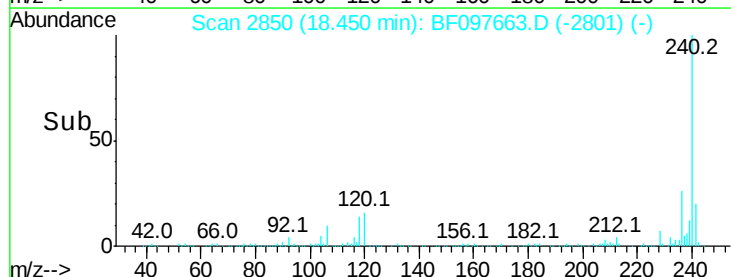
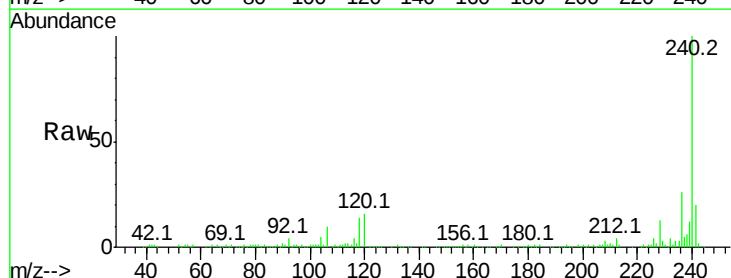
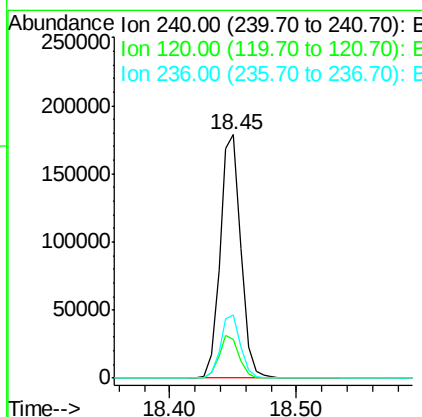
RT: 18.45 min Scan# 2850

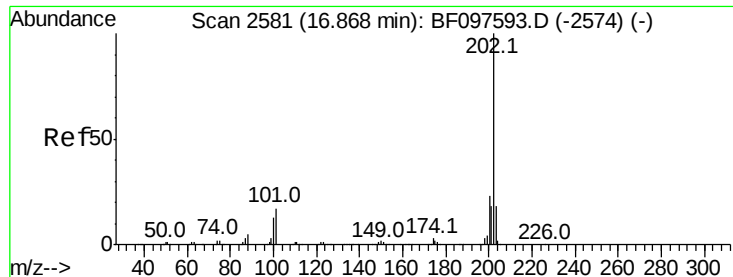
Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Tgt Ion:	240	Resp:	202846
Ion Ratio	Lower	Upper	
240	100		
120	16.0	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 22.233 ng

RT: 16.86 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

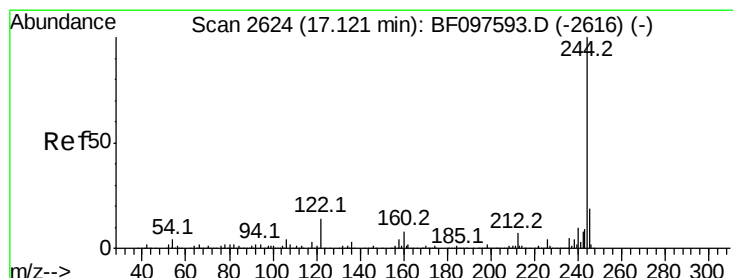
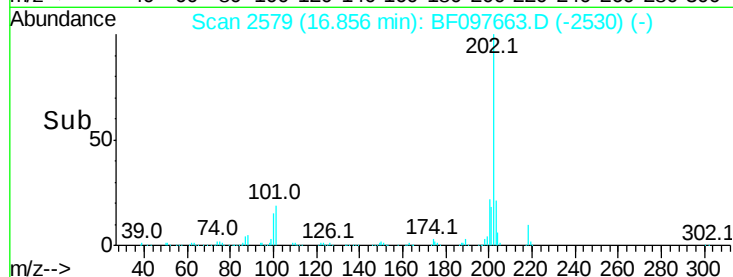
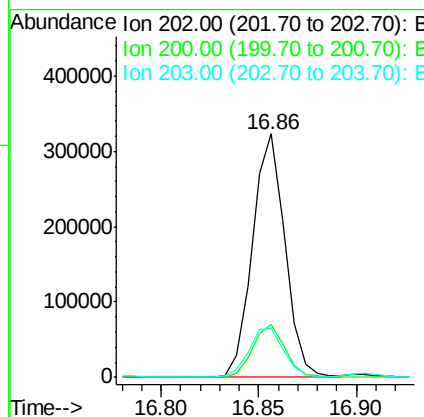
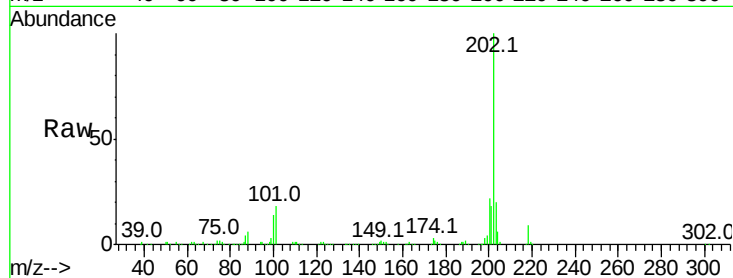
ClientSampleId :

NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.7	17.6	26.4	
203	20.4	14.4	21.6	

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM



#78

Terphenyl-d14

Concen: 8.856 ng

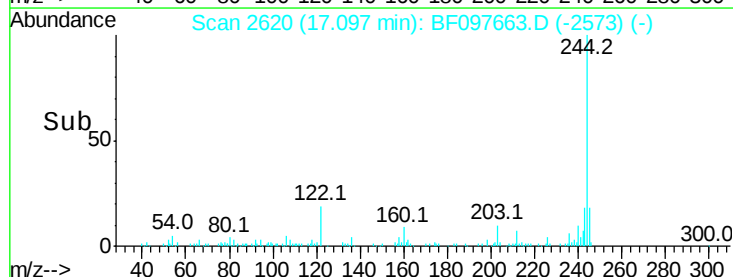
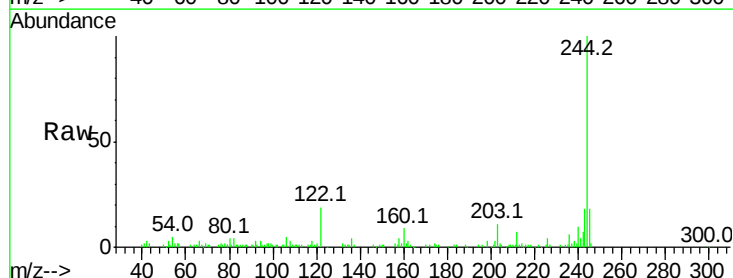
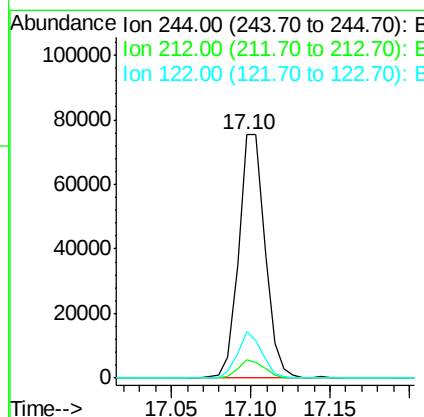
RT: 17.10 min Scan# 2620

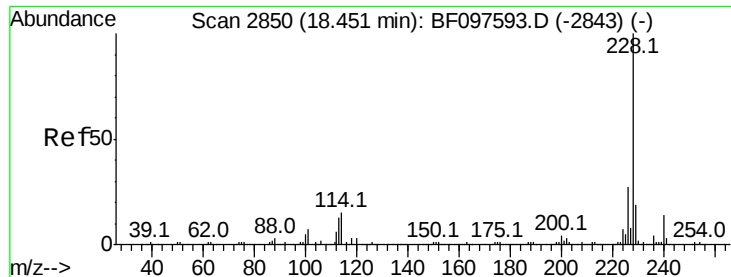
Delta R.T. -0.02 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.5	6.0	9.0	
122	19.0	10.3	15.5	





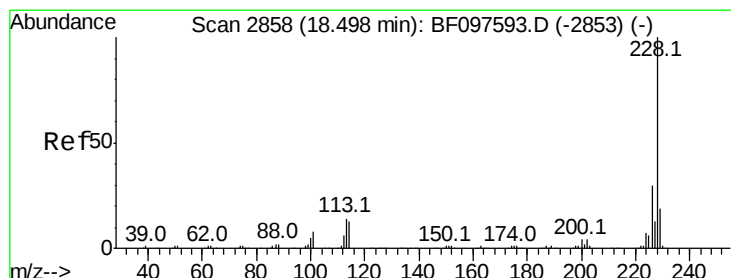
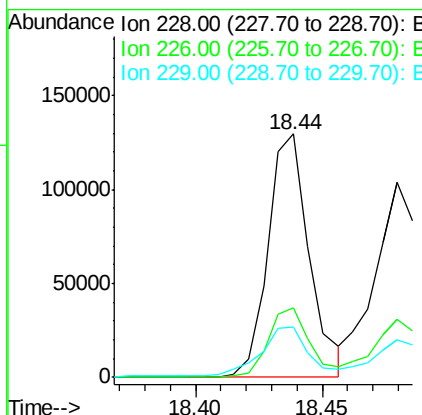
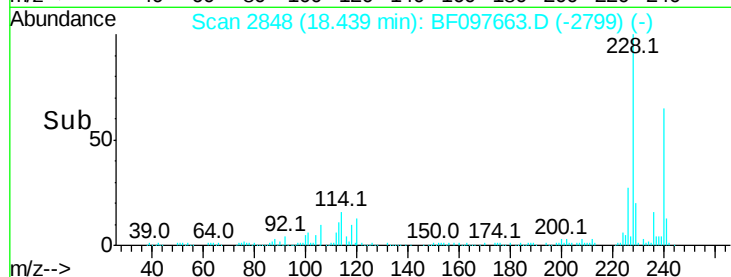
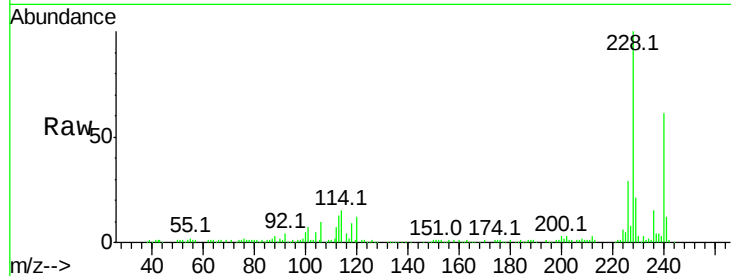
#80
Benzo(a)anthracene
Concen: 12.502 ng
RT: 18.44 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.8	16.3	24.5

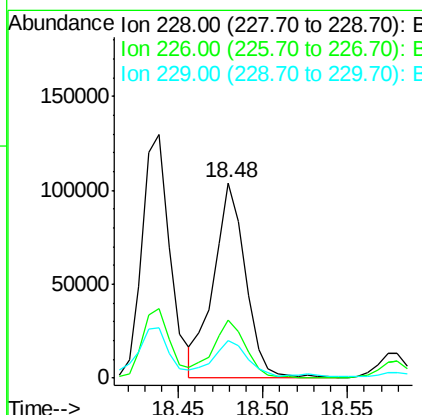
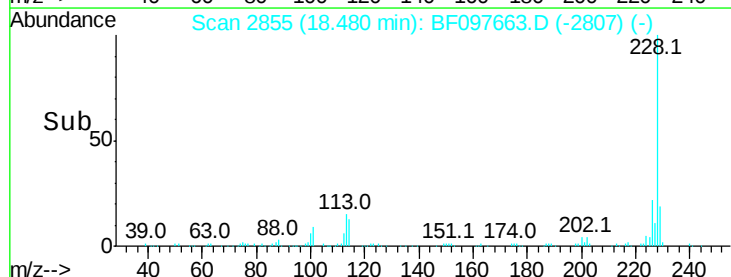
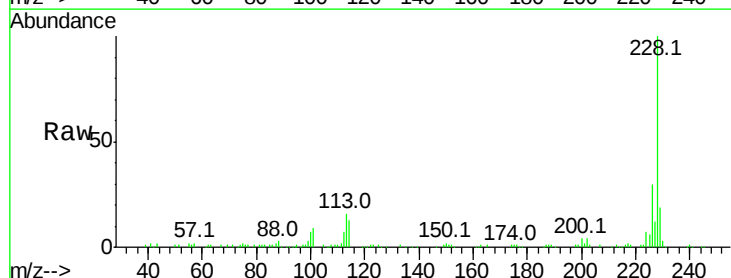
Manual Integrations
APPROVED

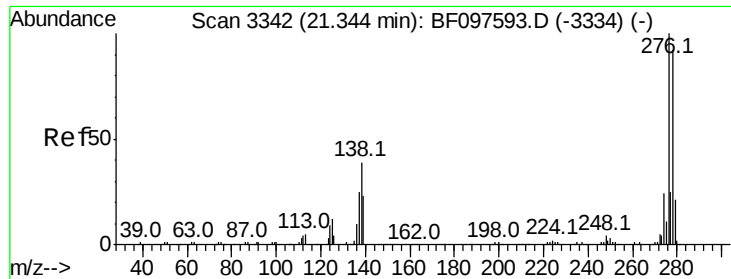
sohil
8/14/2017 7:07:57 PM



#82
Chrysene
Concen: 11.600 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	19.3	15.8	23.6





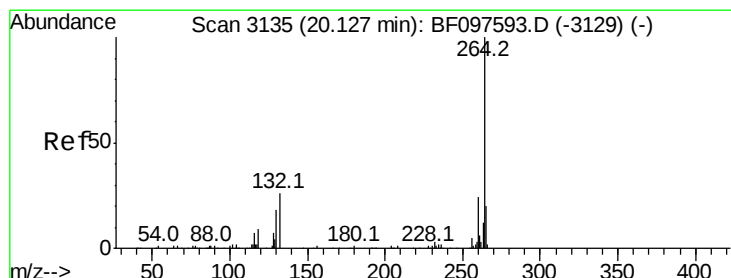
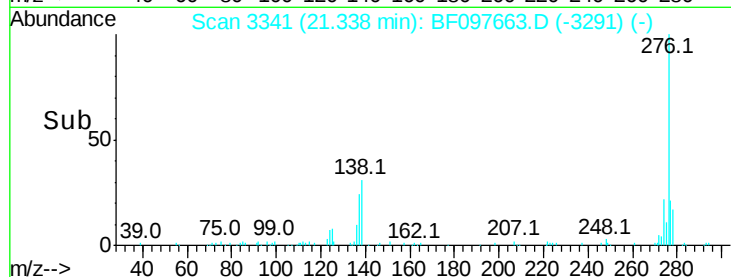
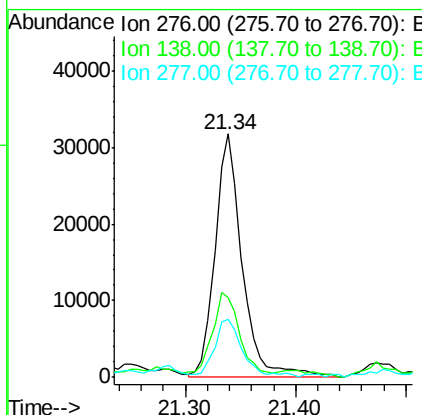
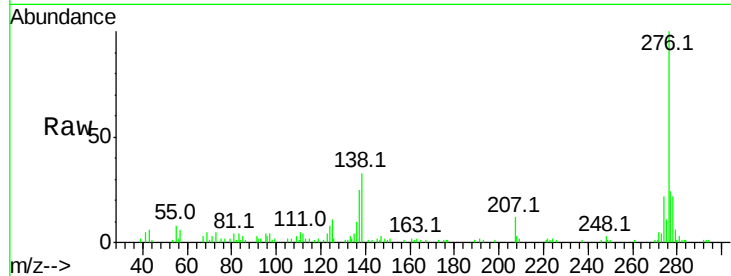
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.927 ng
RT: 21.34 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.9	27.8	41.6
277	22.6	20.2	30.4

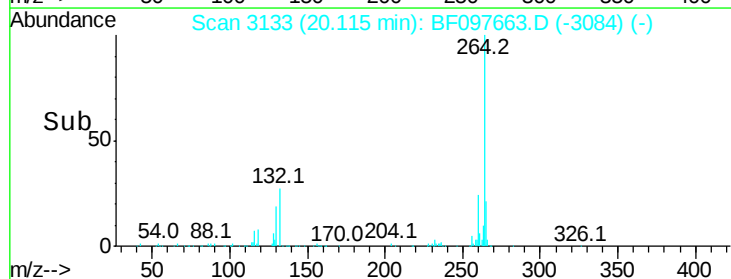
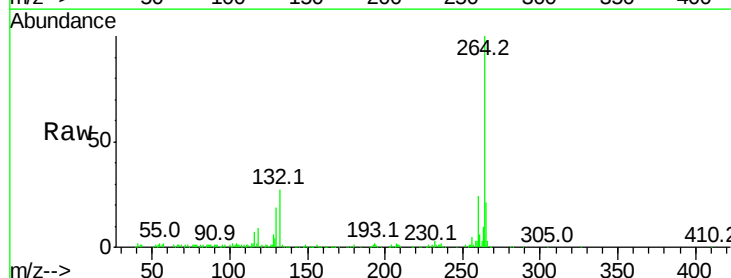
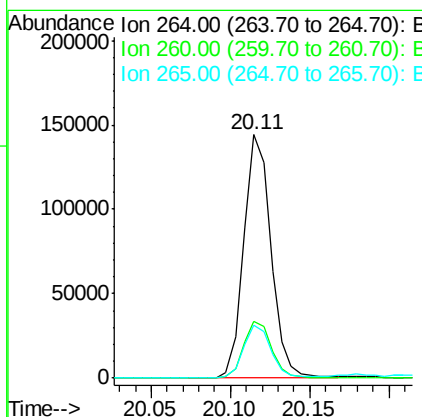
Manual Integrations
APPROVED

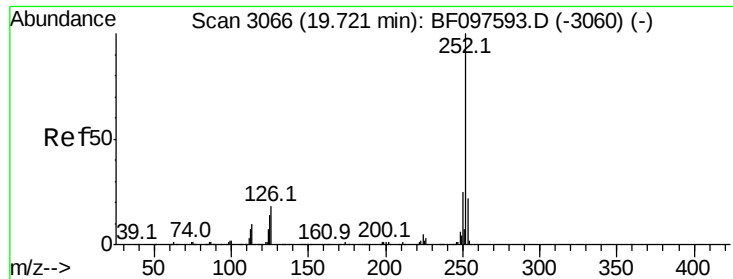
sohil
8/14/2017 7:07:57 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 20.11 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 13.488 ng

RT: 19.71 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Instrument :

BNA_F

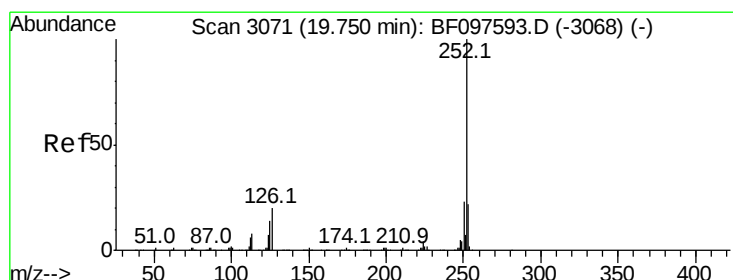
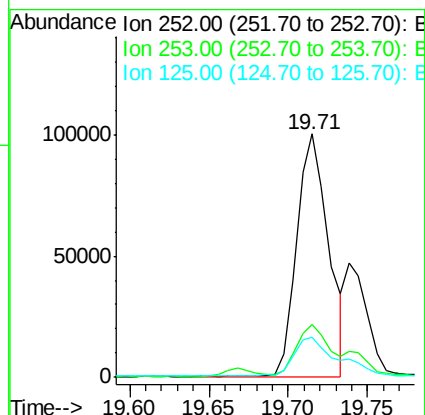
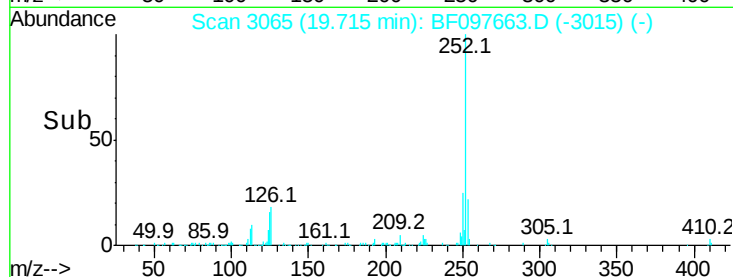
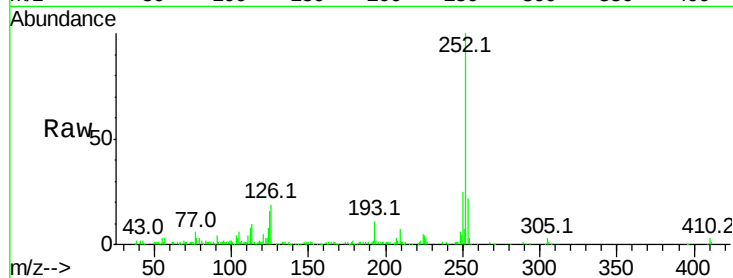
ClientSampleId :

NYSEG-PH4-ESMI-8BDL

Tot Ion:	252	Resp:	139363
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1
125	16.3	9.8	14.8#

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM



#88

Benzo(k)fluoranthene

Concen: 4.411 ng m

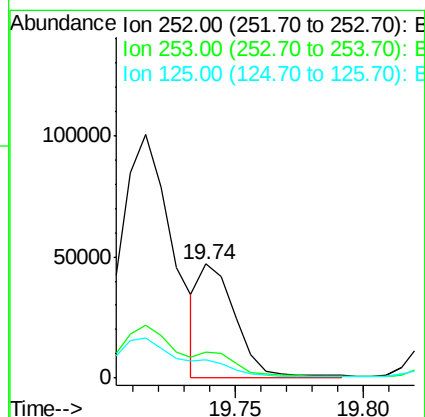
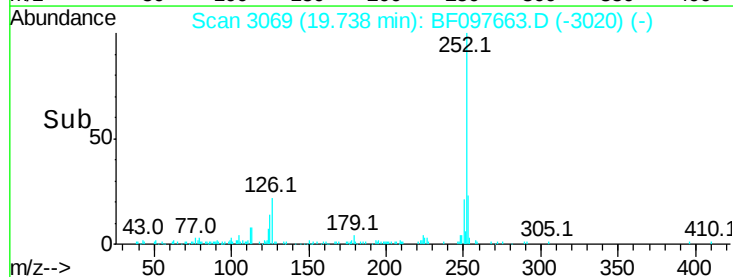
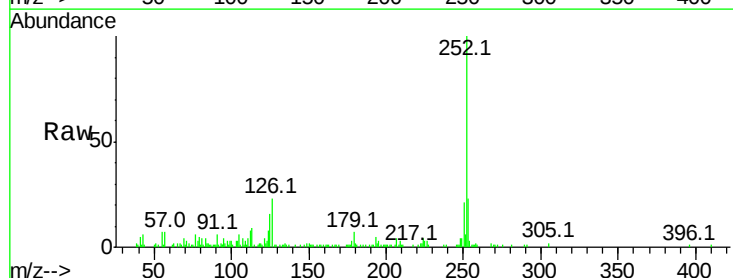
RT: 19.74 min Scan# 3069

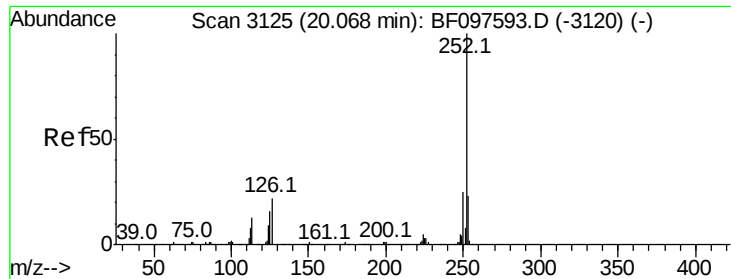
Delta R.T. -0.01 min

Lab File: BF097663.D

Acq: 13 Aug 2017 8:58

Tgt Ion:	252	Resp:	45902
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.4	27.6
125	15.7	13.1	19.7





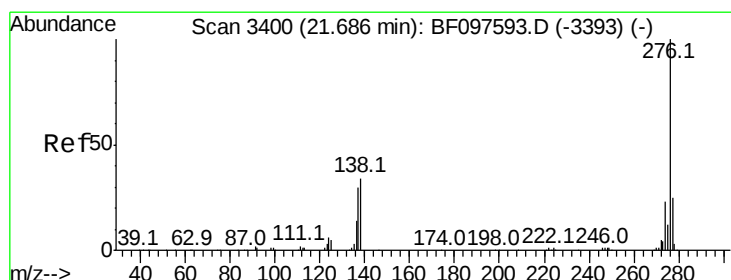
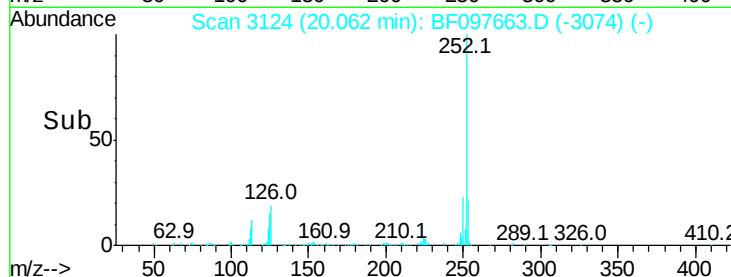
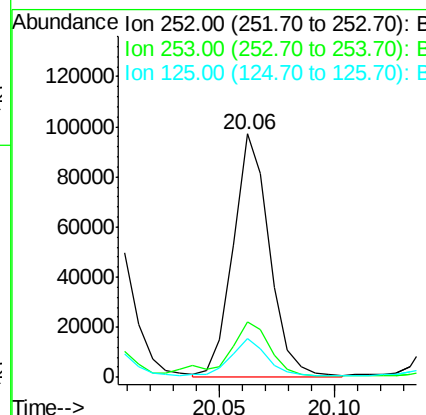
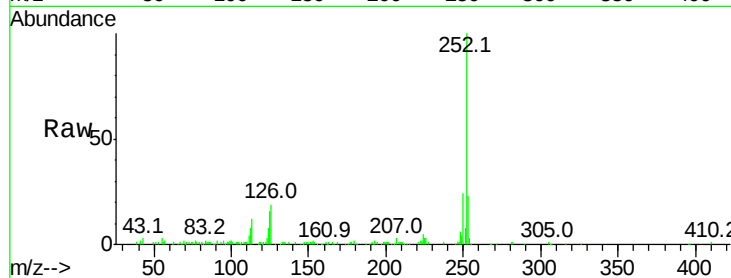
#89
Benzo(a)pyrene
Concen: 11.233 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-8BDL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.5	26.3
125	15.7	11.0	16.4

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:57 PM



#91
Benzo(g,h,i)perylene
Concen: 6.606 ng
RT: 21.69 min Scan# 3400
Delta R.T. 0.00 min
Lab File: BF097663.D
Acq: 13 Aug 2017 8:58

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.5	18.6	28.0
138	36.5	25.4	38.0

