

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098442.D
 Acq On : 12 Sep 2017 10:13
 Operator : SJ/JU
 Sample : I5151-02DL 250X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2DL

Manual Integrations
 APPROVED

Sohil
 9/12/2017 6:02:31 PM

Quant Time: Sep 12 12:09:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	226517	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	916102	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	369819	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	544735	20.00	ng	0.00
75) Chrysene-d12	13.82	240	375953	20.00	ng	0.00
86) Perylene-d12	15.22	264	384677	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	5259	0.34	ng	0.02
7) Phenol-d6	6.34	99	9206	0.47	ng	0.02
23) Nitrobenzene-d5	7.24	82	5176	0.31	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	732	0.30	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	11946	0.55	ng	-0.01
78) Terphenyl-d14	12.76	244	5890	0.34	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	7.97	128	1834415	40.506	ng	99
37) 2-Methylnaphthalene	8.66	142	319039	11.630	ng	99
45) 1,1'-Biphenyl	9.13	154	91843	2.775	ng	95
51) Acenaphthene	9.73	154	335575	15.019	ng	99
54) Dibenzofuran	9.90	168	277971	9.444	ng	100
57) Fluorene	10.25	166	234270	9.616	ng	98
70) Phenanthrene	11.20	178	1019251	35.295	ng	99
71) Anthracene	11.26	178	275134	9.280	ng	97
72) Carbazole	11.42	167	83190	3.011	ng	97
74) Fluoranthene	12.39	202	601044	20.791	ng	99
77) Pyrene	12.62	202	493593	16.643	ng	98
80) Benzo(a)anthracene	13.80	228	179429m	8.141	ng	
82) Chrysene	13.84	228	132867	5.963	ng	98
85) Indeno(1,2,3-cd)pyrene	16.55	276	62820	4.019	ng	97
87) Benzo(b)fluoranthene	14.82	252	171470m	7.089	ng	
88) Benzo(k)fluoranthene	14.83	252	71946m	3.186	ng	
89) Benzo(a)pyrene	15.16	252	150280	6.974	ng	99
91) Benzo(g,h,i)perylene	16.96	276	62091	3.938	ng	99

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

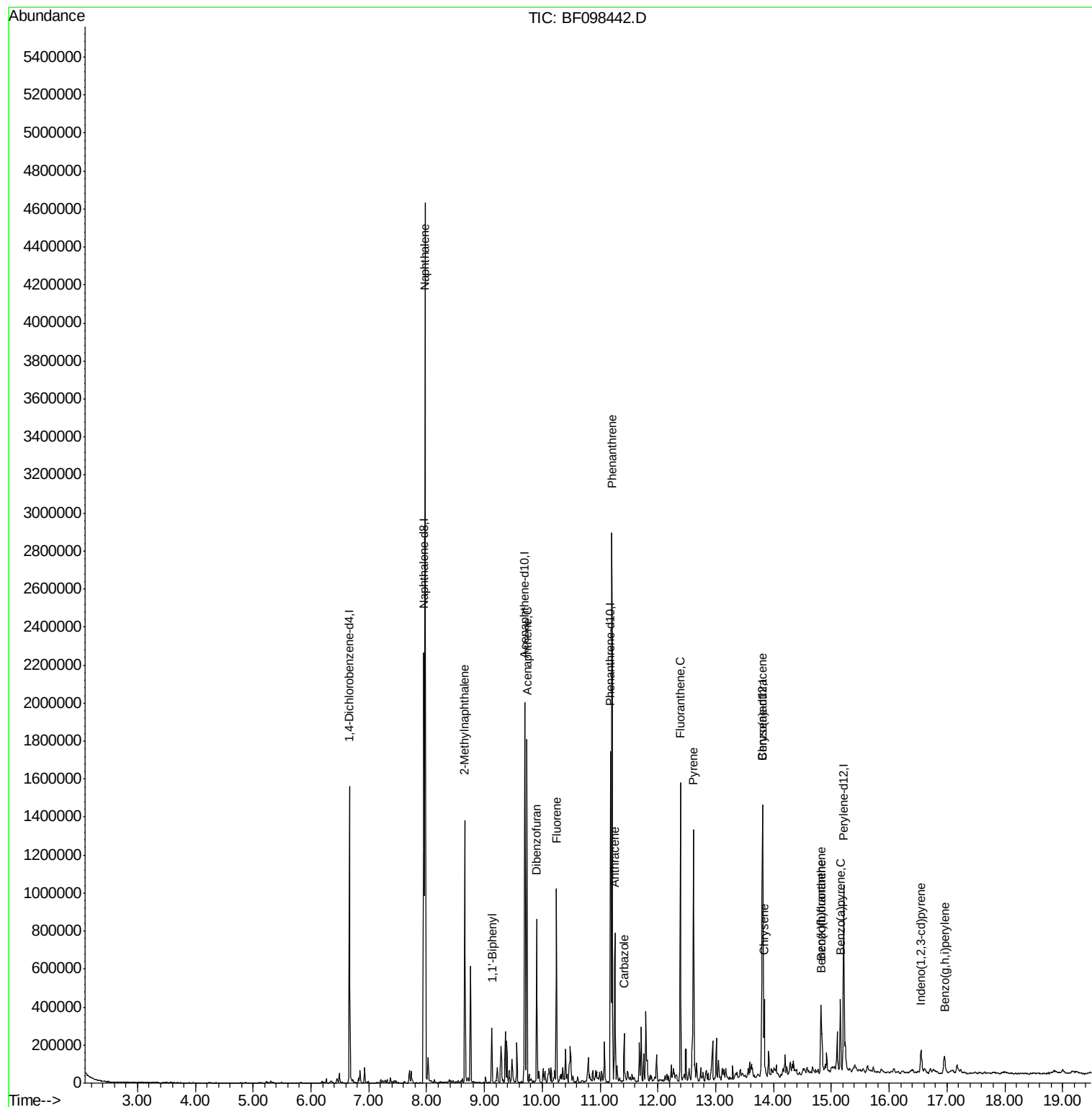
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
Data File : BF098442.D
Acq On : 12 Sep 2017 10:13
Operator : SJ/JU
Sample : I5151-02DL 250X
Misc :
ALS Vial : 30 Sample Multiplier: 1

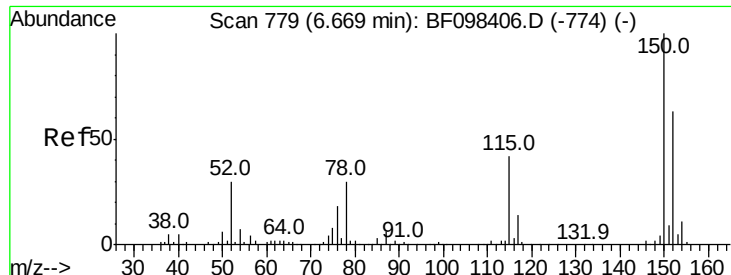
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM

Quant Time: Sep 12 12:09:45 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

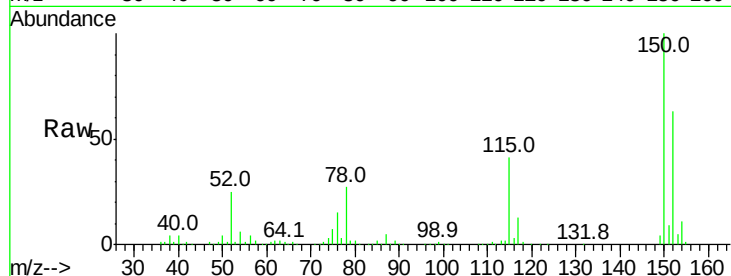
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	64.0	52.2	78.2

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM



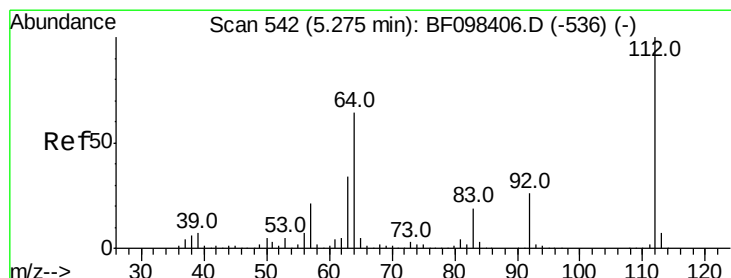
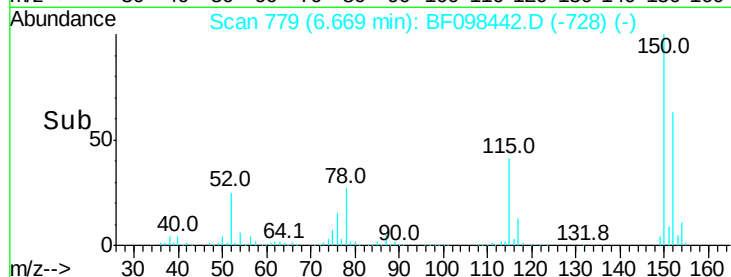
Abundance

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

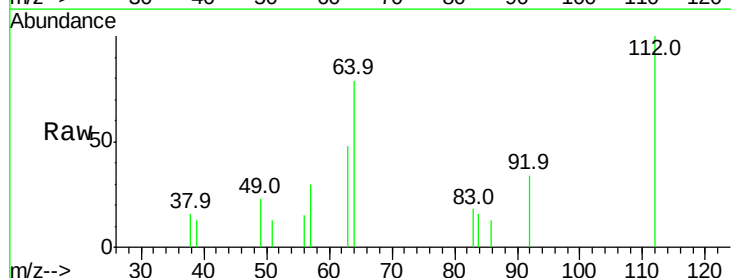
Time-->



#5

2-Fluorophenol
Concen: 0.343 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.8	46.0	69.0#
63	47.5	23.4	35.0#



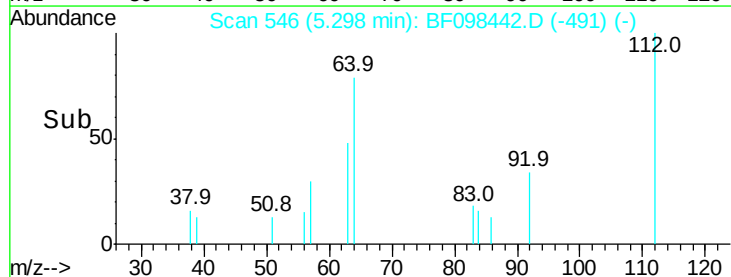
Abundance

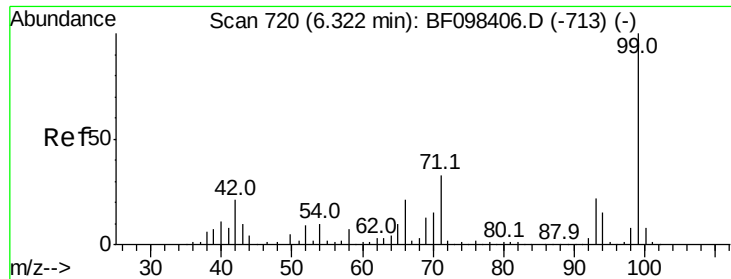
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 0.473 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.02 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Instrument :

BNA_F

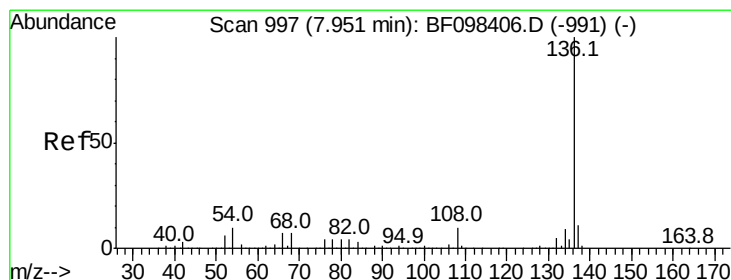
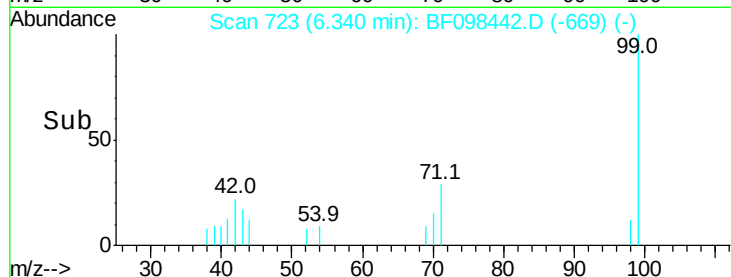
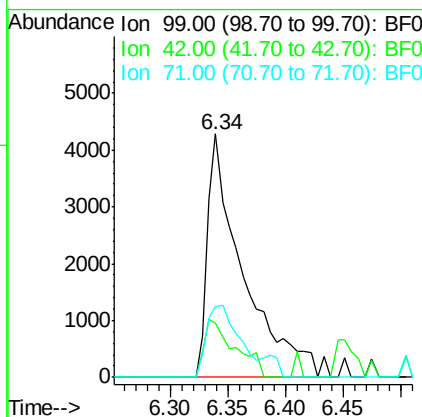
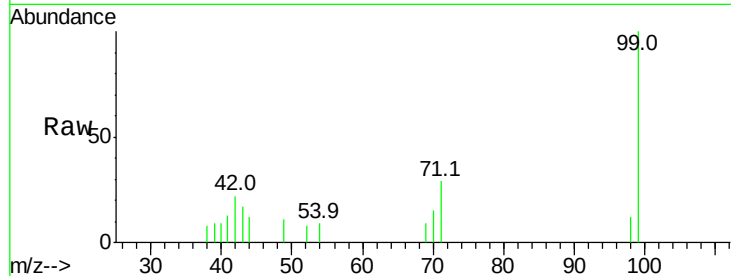
ClientSampleId :

NYSEG-PH4-ESMI2-2DL

Tot Ion:	99	Resp:	9206
Ion Ratio	Lower	Upper	
99	100		
42	22.1	13.5	20.3#
71	29.3	24.5	36.7

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM



#21

Naphthalene-d8

Concen: 20.000 ng

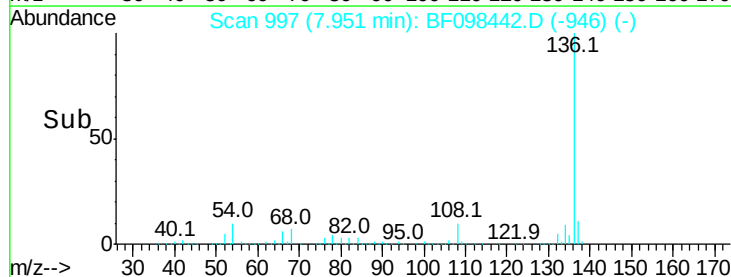
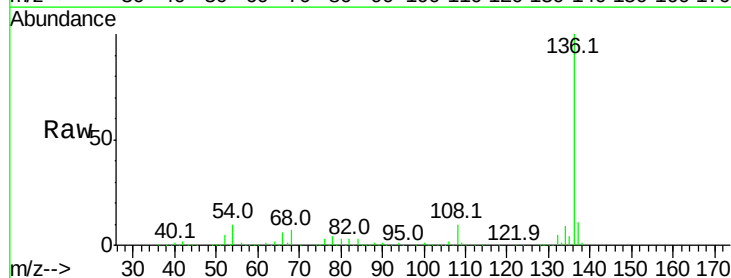
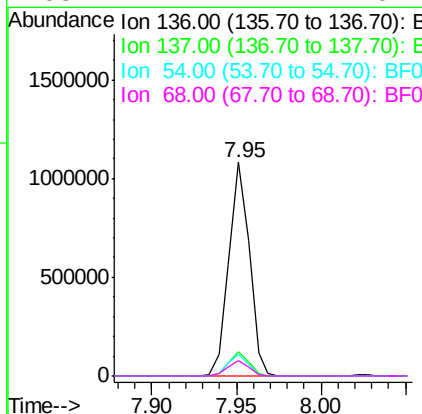
RT: 7.95 min Scan# 997

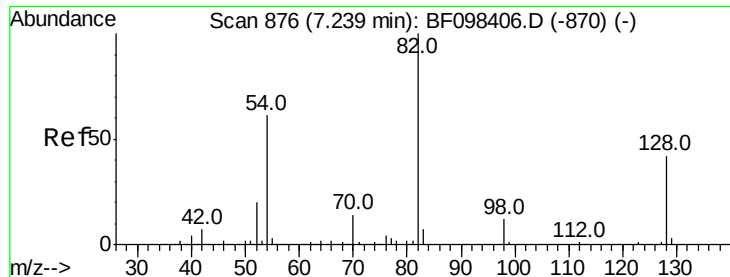
Delta R.T. 0.00 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Tgt Ion:	136	Resp:	916102
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	10.5	4.9	7.3#
68	7.4	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 0.315 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Instrument :

BNA_F

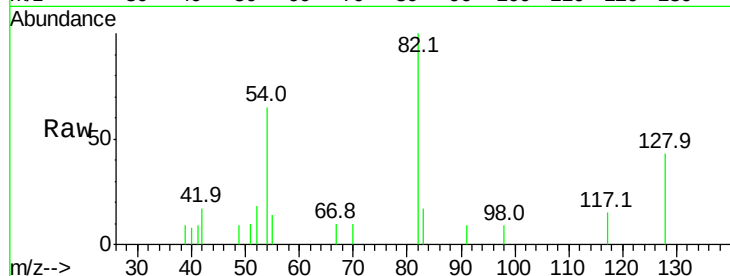
ClientSampleId :

NYSEG-PH4-ESMI2-2DL

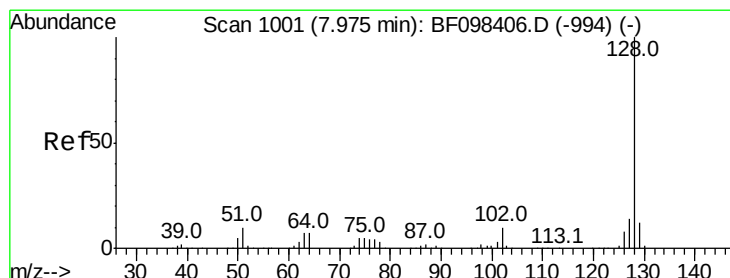
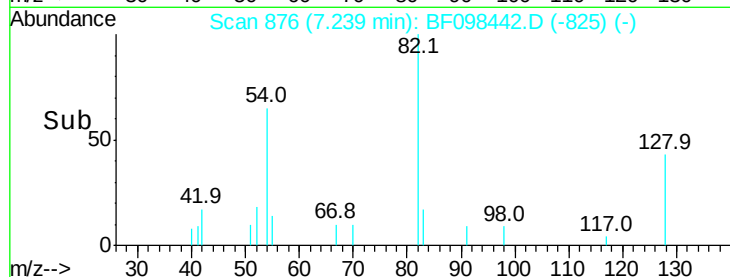
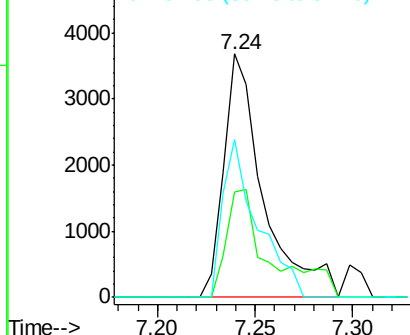
Tot Ion:	82	Resp:	5176
Ion Ratio	Lower	Upper	
82	100		
128	43.2	34.0	51.0
54	65.0	42.2	63.2#

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM



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



#31

Naphthalene

Concen: 40.506 ng

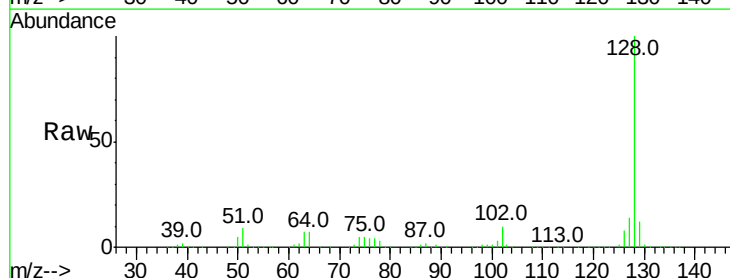
RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

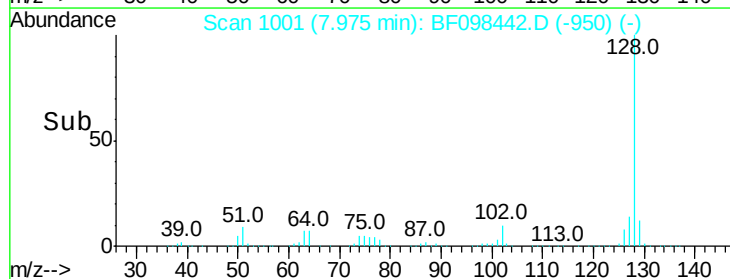
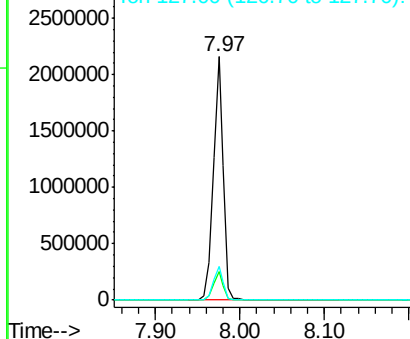
Lab File: BF098442.D

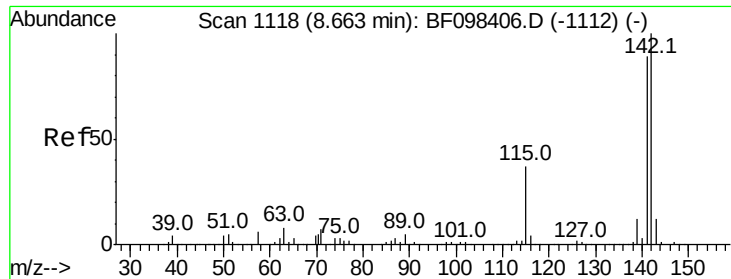
Acq: 12 Sep 2017 10:13

Tgt Ion:	128	Resp:	1834415
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.0	13.6
127	13.9	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





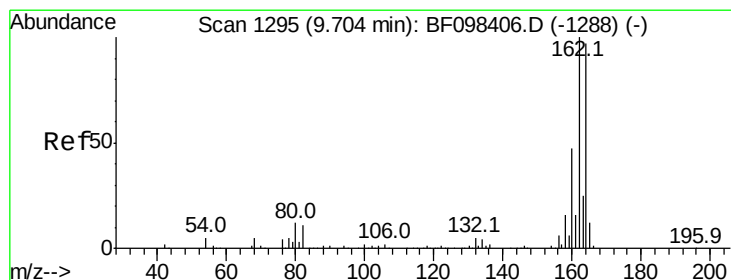
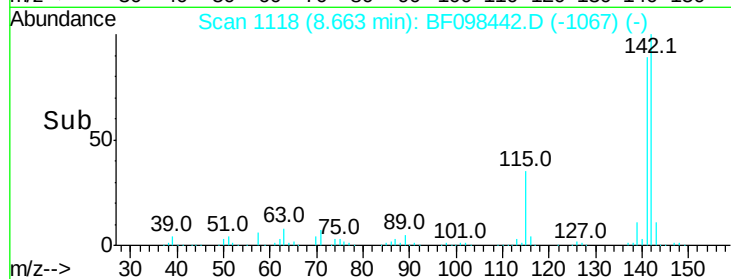
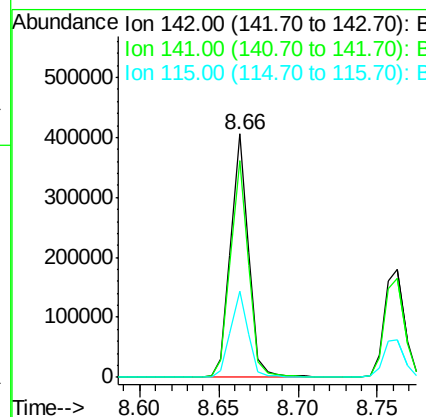
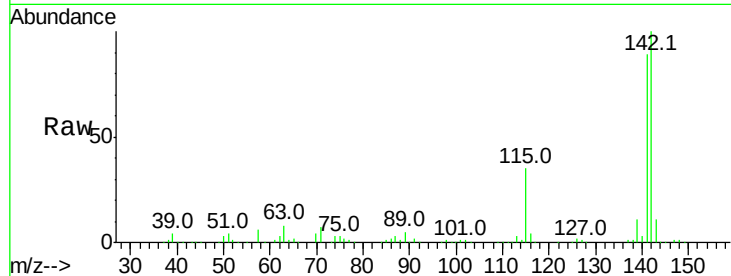
#37
2-Methylnaphthalene
Concen: 11.630 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9
115	35.3	27.1	40.7

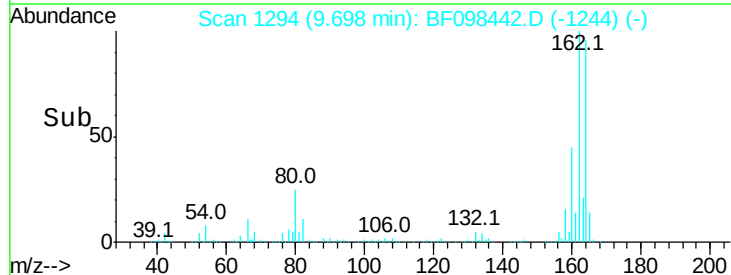
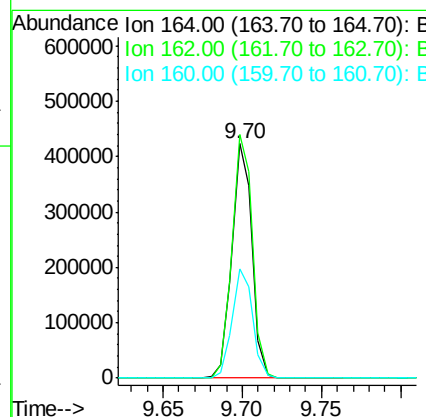
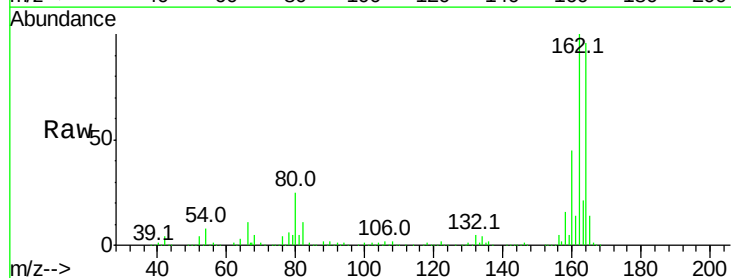
Manual Integrations
APPROVED

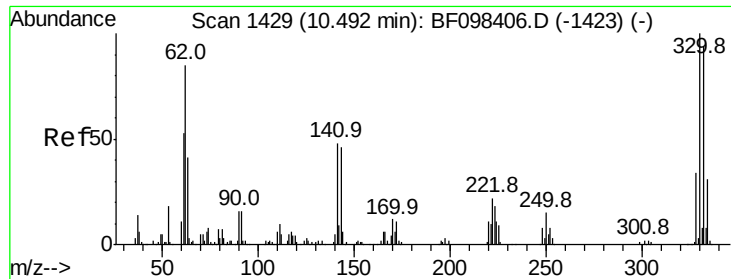
Sohil
9/12/2017 6:02:31 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	46.6	36.2	54.2





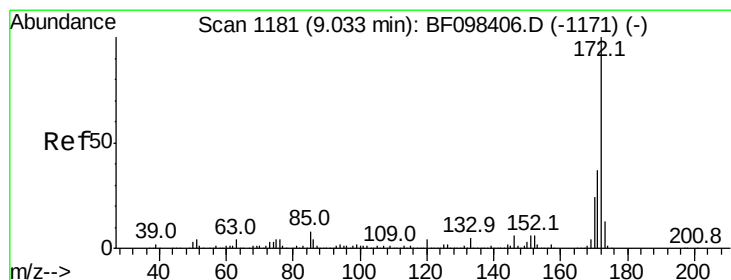
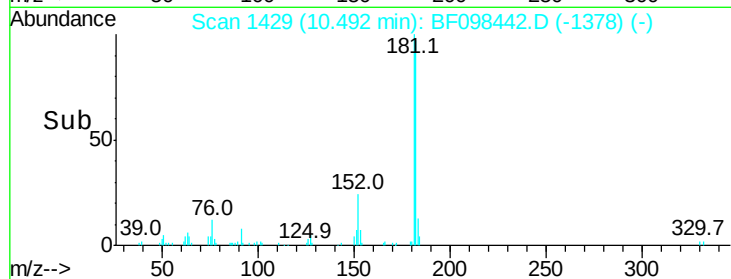
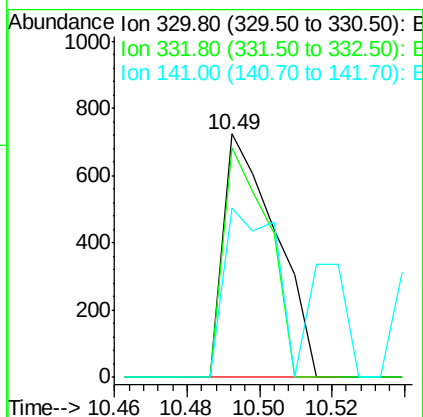
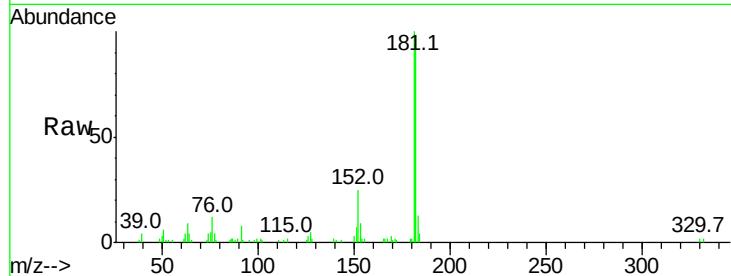
#41
 2,4,6-Tribromophenol
 Concen: 0.297 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF098442.D
 Acq: 12 Sep 2017 10:13

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	80.2	76.6	115.0
141	67.5	31.4	47.2

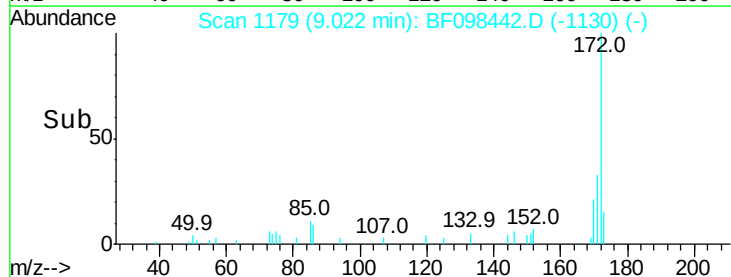
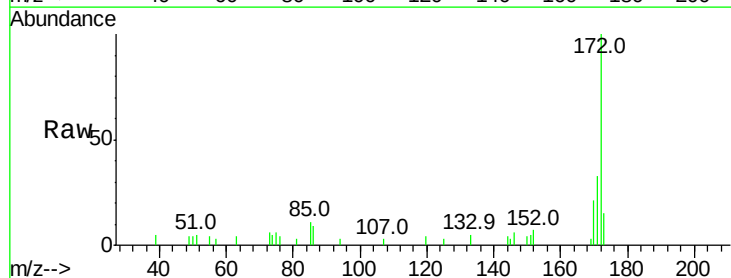
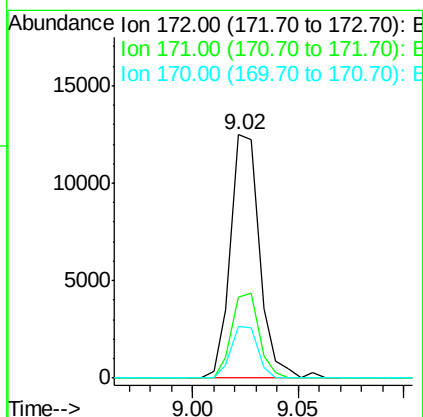
Manual Integrations
 APPROVED

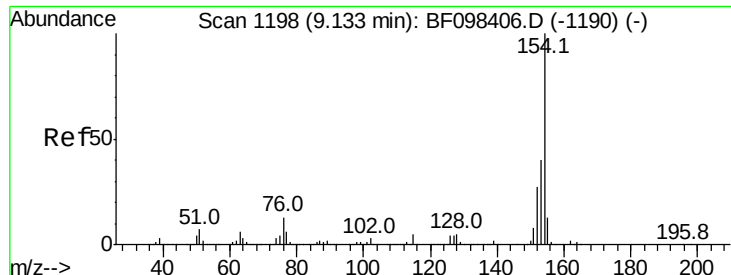
Sohil
 9/12/2017 6:02:31 PM



#44
 2-Fluorobiphenyl
 Concen: 0.547 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098442.D
 Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.6	44.4
170	21.2	19.8	29.8





#45

1,1'-Biphenyl

Concen: 2.775 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Instrument :

BNA_F

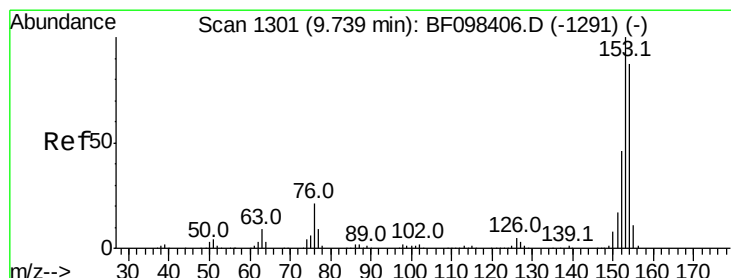
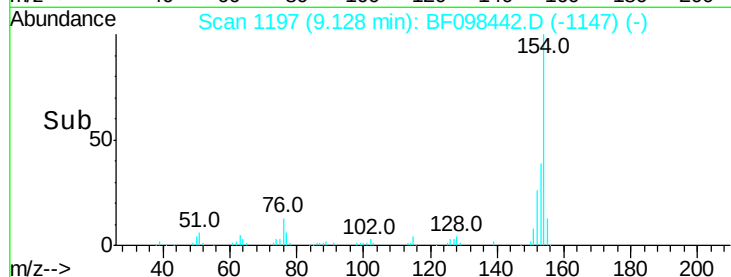
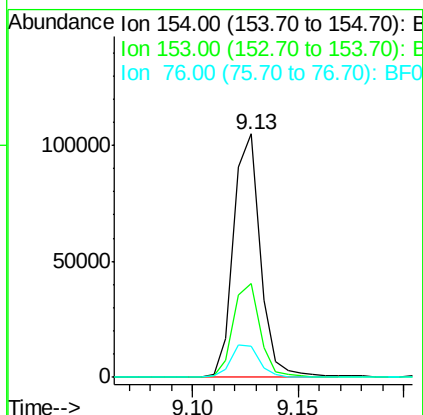
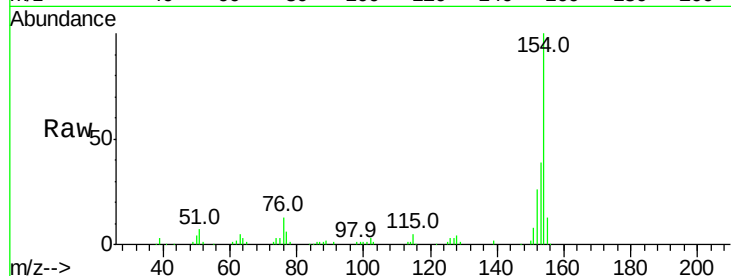
ClientSampled :

NYSEG-PH4-ESMI2-2DL

Tot Ion:	154	Resp:	91843
Ion Ratio	Lower	Upper	
154	100		
153	38.7	21.2	61.2
76	12.9	0.0	29.9

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM



#51

Acenaphthene

Concen: 15.019 ng

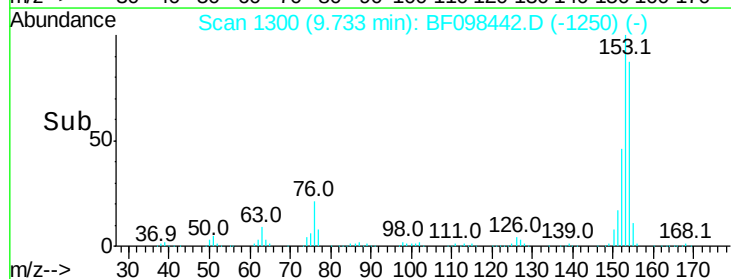
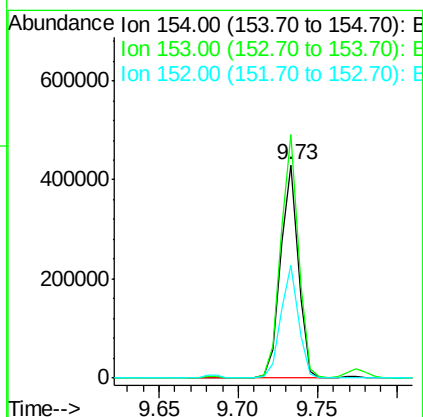
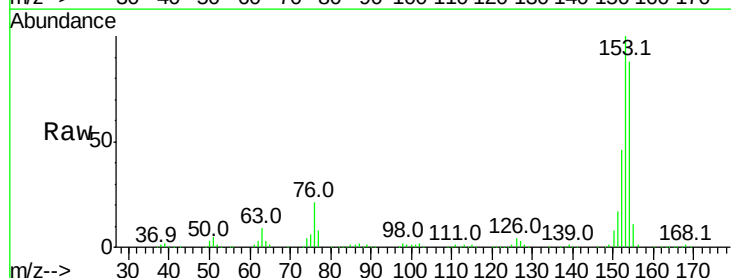
RT: 9.73 min Scan# 1300

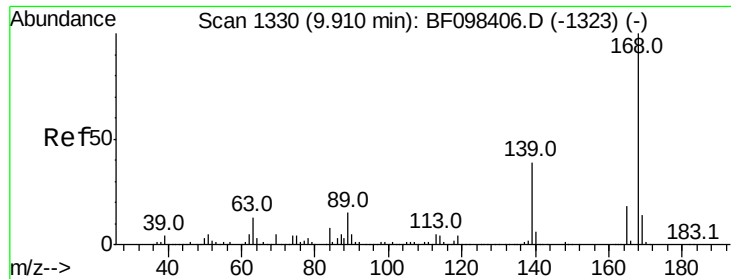
Delta R.T. -0.01 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Tgt Ion:	154	Resp:	335575
Ion Ratio	Lower	Upper	
154	100		
153	114.1	90.5	135.7
152	52.7	43.6	65.4





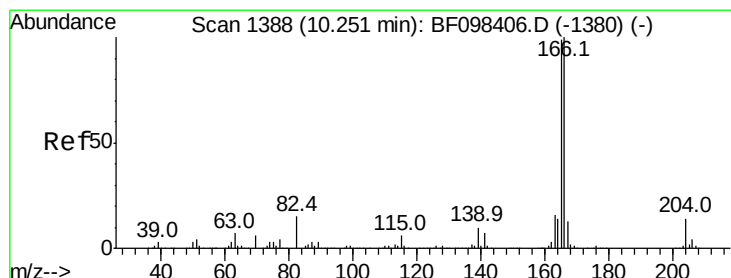
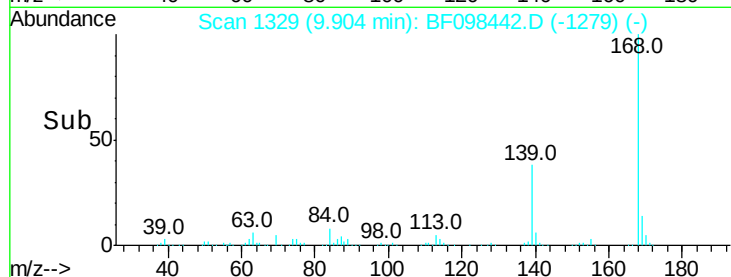
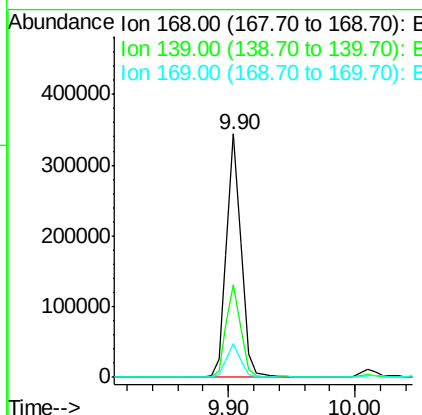
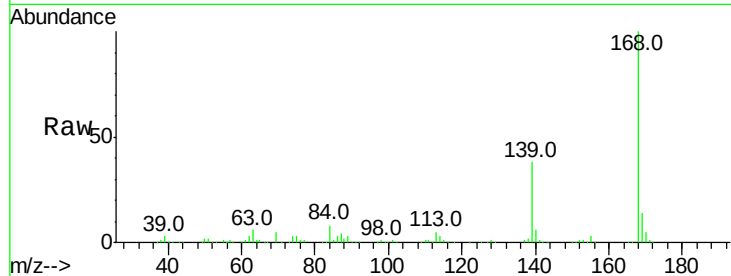
#54
Dibenzenofuran
Concen: 9.444 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	277971		
139	38.1		30.6	45.8
169	13.6		10.8	16.2

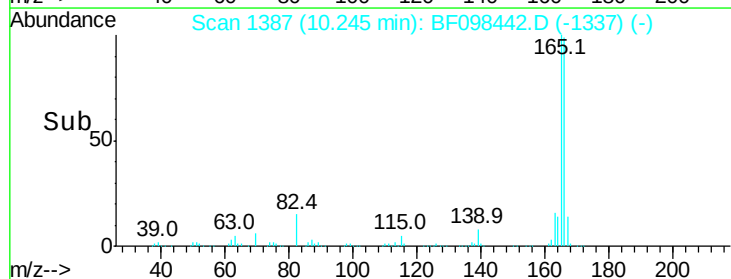
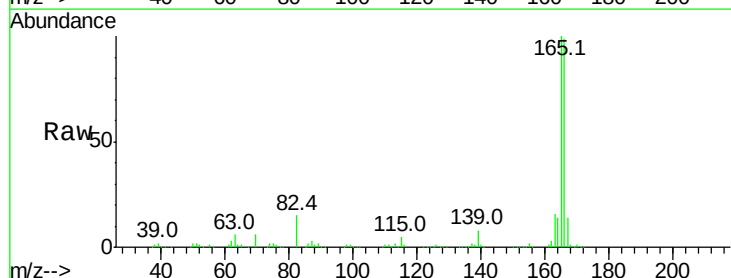
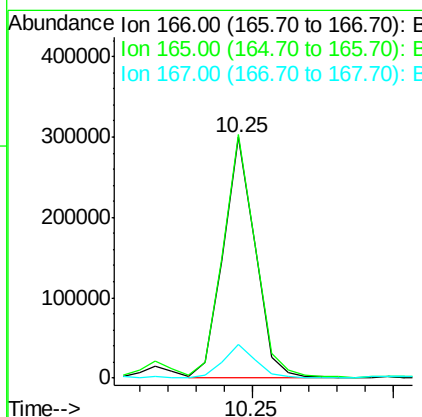
Manual Integrations
APPROVED

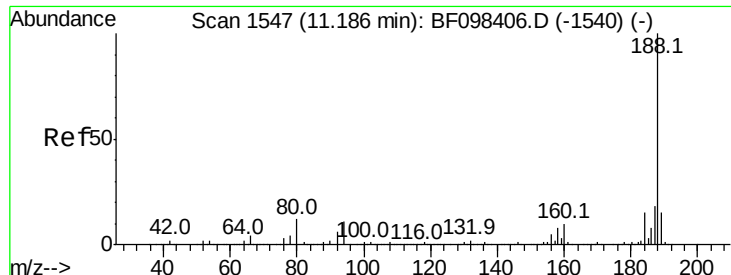
Sohil
9/12/2017 6:02:31 PM



#57
Fluorene
Concen: 9.616 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	234270		
165	101.0		78.8	118.2
167	13.8		10.6	16.0





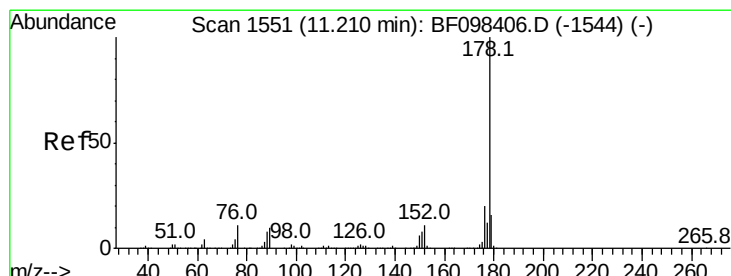
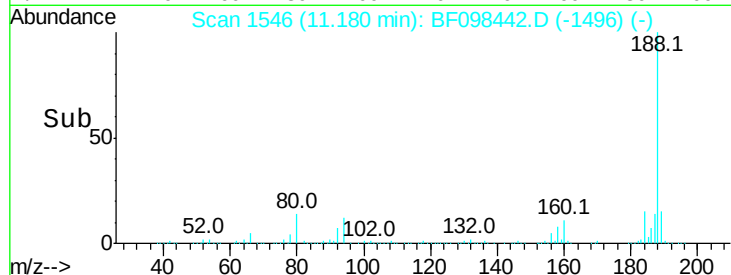
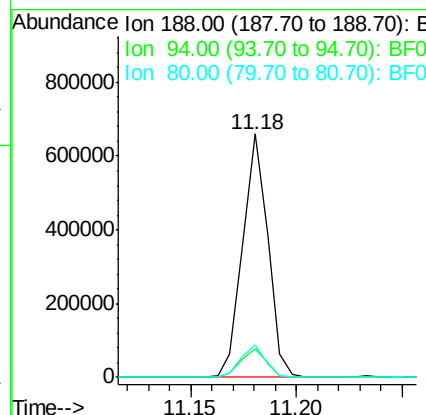
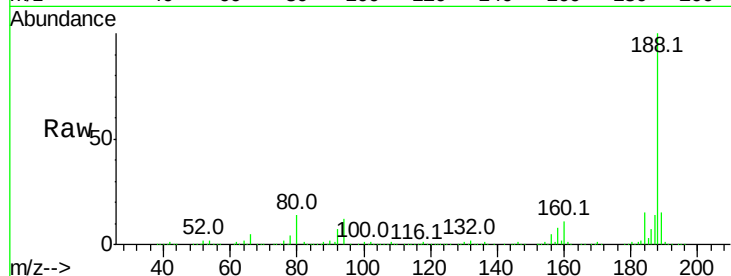
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF098442.D
 Acq: 12 Sep 2017 10:13

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	544735		
94	11.6		9.4	14.2
80	13.6		10.2	15.2

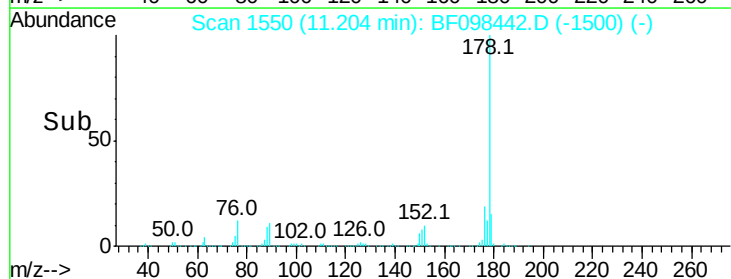
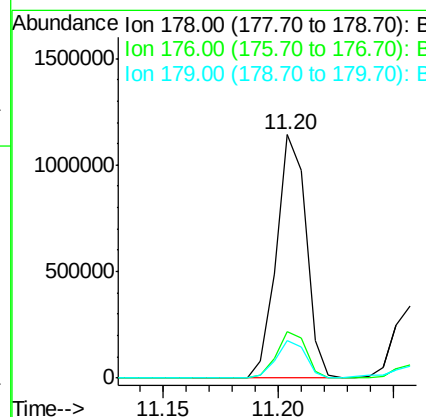
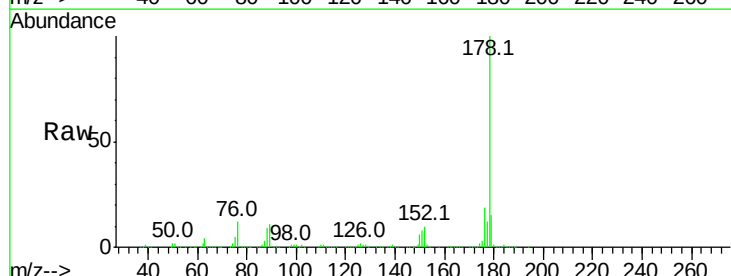
Manual Integrations
 APPROVED

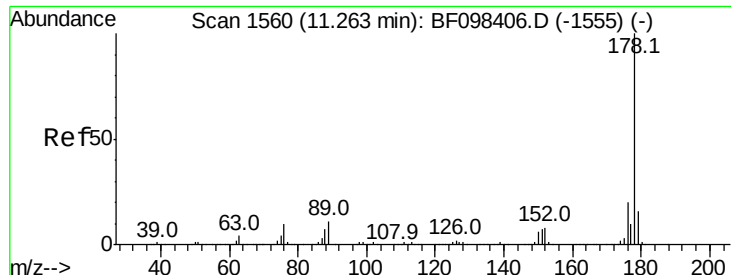
Sohil
 9/12/2017 6:02:31 PM



#70
 Phenanthrene
 Concen: 35.295 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF098442.D
 Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1019251		
176	19.3		16.2	24.4
179	15.5		12.6	19.0





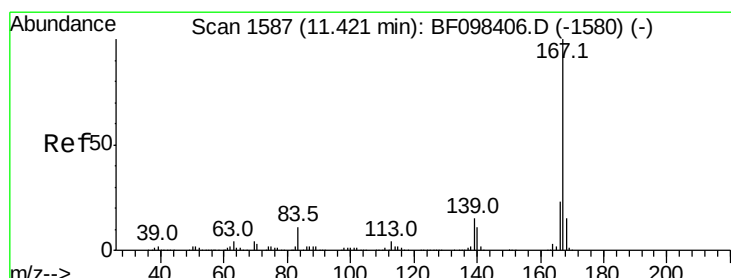
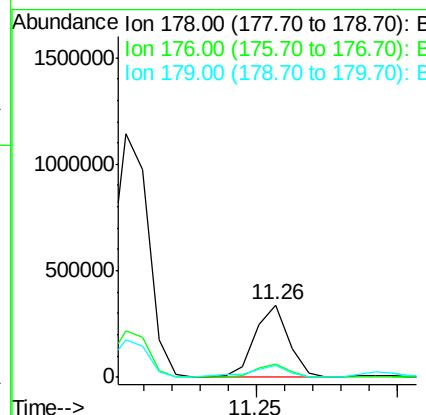
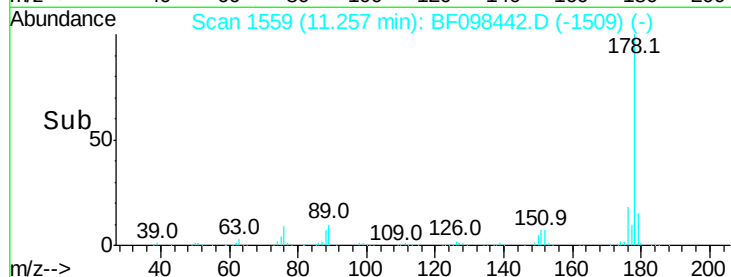
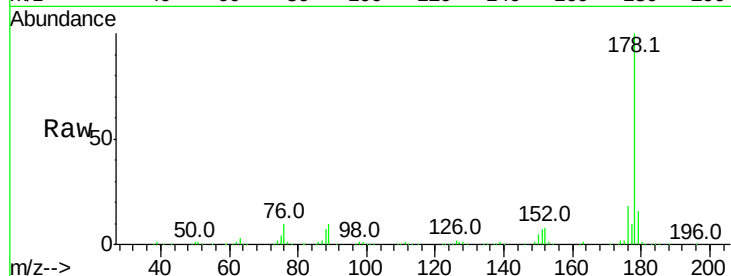
#71
 Anthracene
 Concen: 9.280 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098442.D
 Acq: 12 Sep 2017 10:13

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	15.7	12.7	19.1

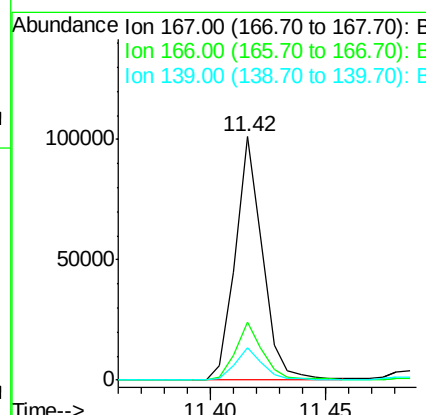
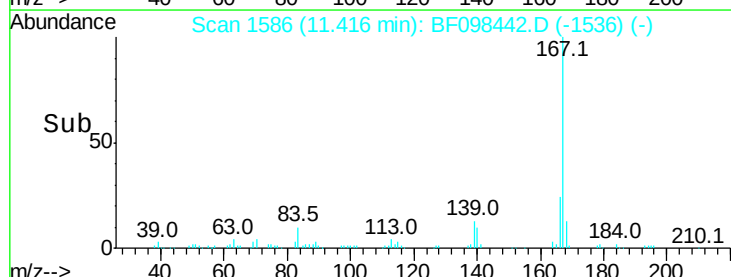
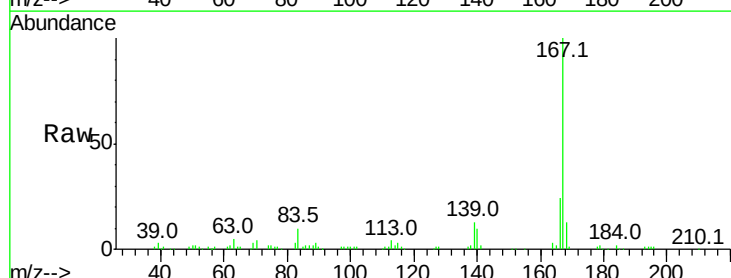
Manual Integrations
 APPROVED

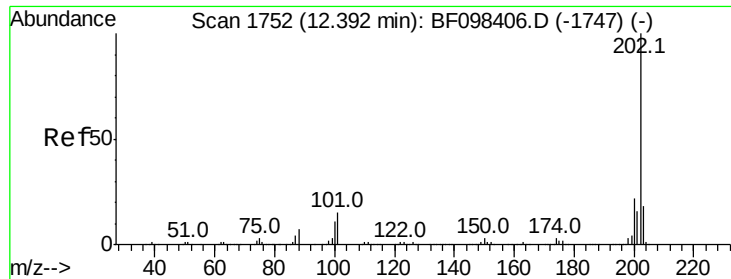
Sohil
 9/12/2017 6:02:31 PM



#72
 Carbazole
 Concen: 3.011 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF098442.D
 Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.1	18.1	27.1
139	13.4	11.7	17.5





#74

Fluoranthene

Concen: 20.791 ng

RT: 12.39 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Instrument :

BNA_F

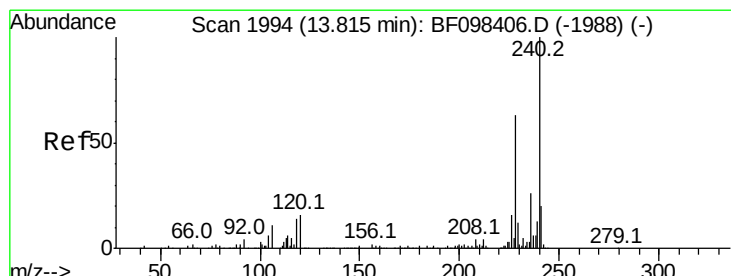
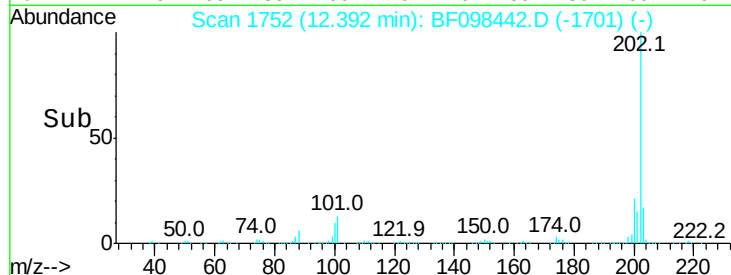
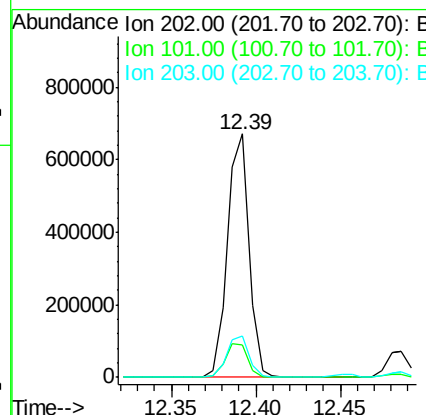
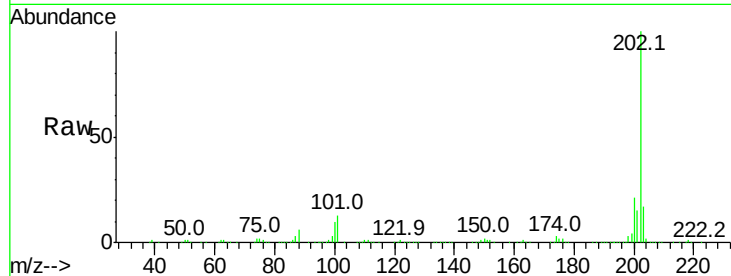
ClientSampleId :

NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	601044		
101	13.2	0.0	33.2	
203	17.2	0.0	38.1	

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM



#75

Chrysene-d12

Concen: 20.000 ng

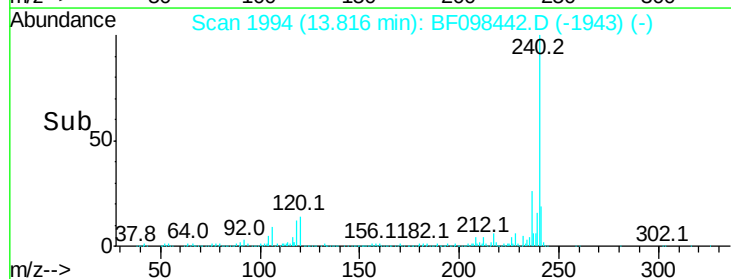
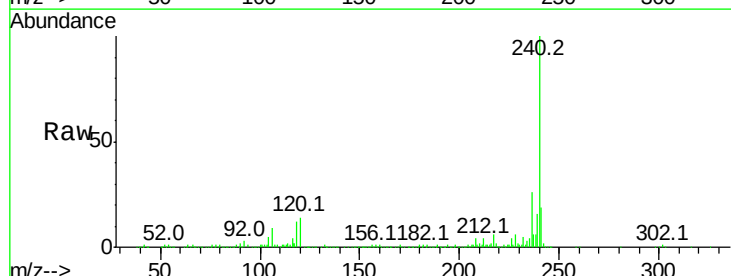
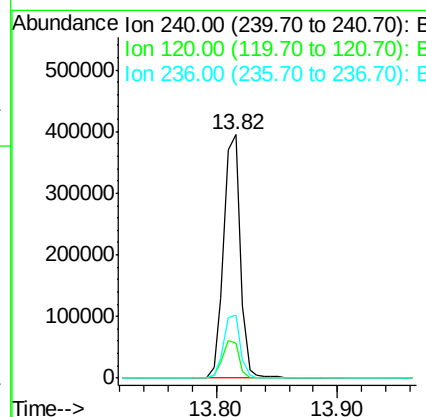
RT: 13.82 min Scan# 1994

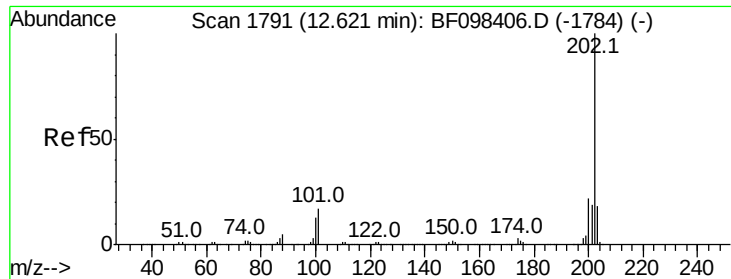
Delta R.T. 0.00 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	375953		
120	14.4	5.8	8.8#	
236	25.9	20.5	30.7	





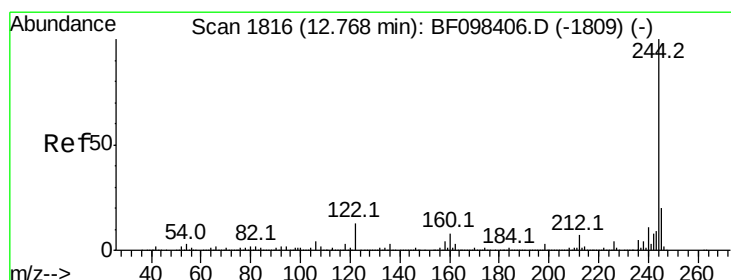
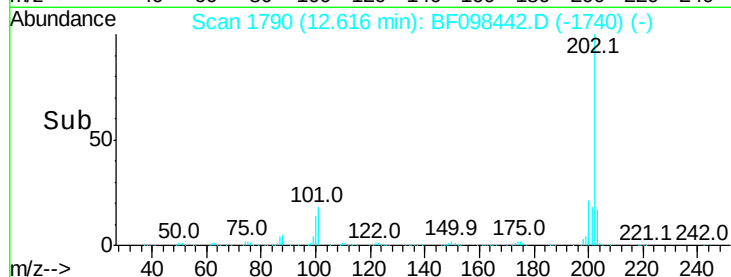
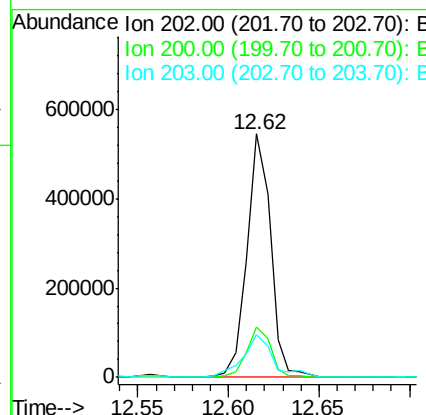
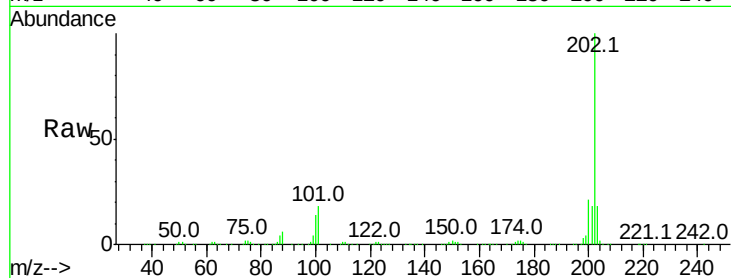
#77
Pvrene
Concen: 16.643 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.7	14.4	21.6

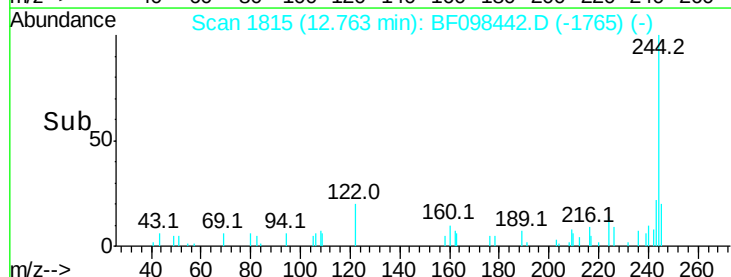
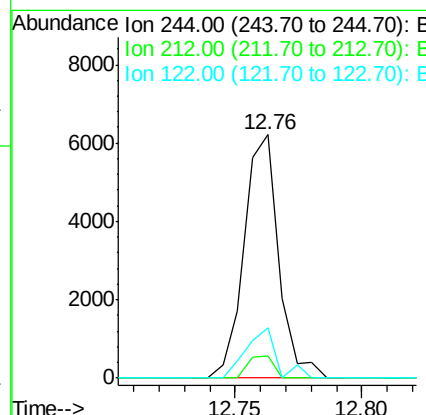
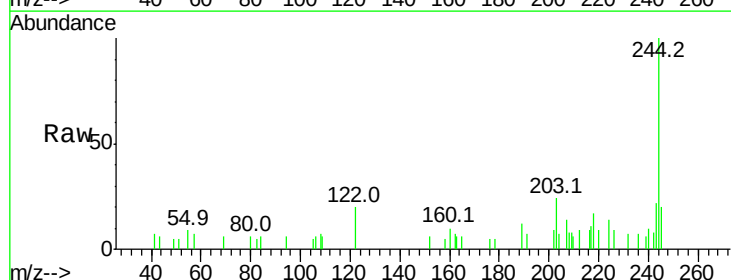
Manual Integrations
APPROVED

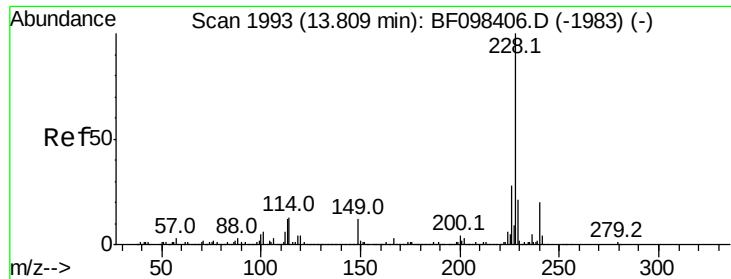
Sohil
9/12/2017 6:02:31 PM



#78
Terphenyl-d14
Concen: 0.338 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.1	6.0	9.0#
122	20.5	10.3	15.5#





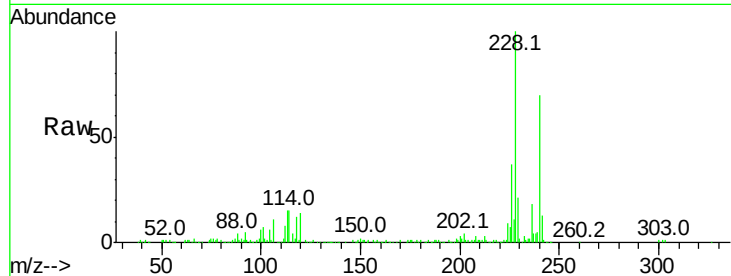
#80
Benzo(a)anthracene
Concen: 8.141 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

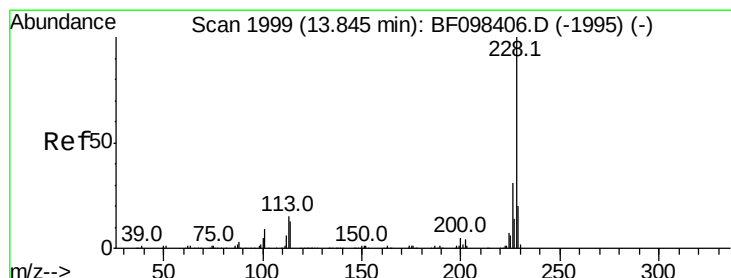
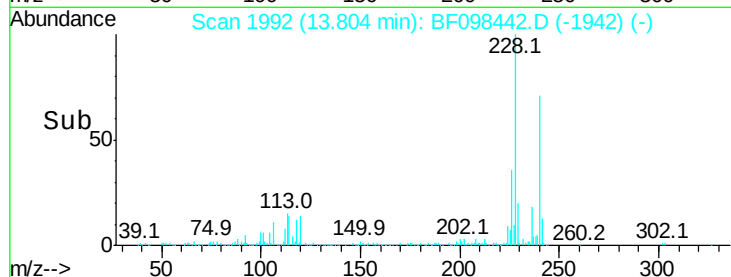
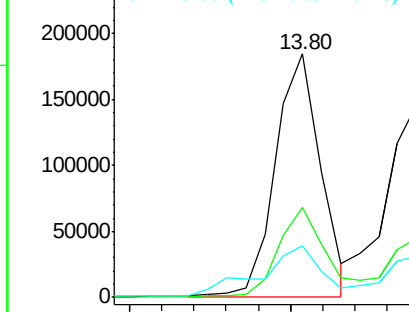
Tot Ion	Ratio	Lower	Upper
228	100		
226	36.9	22.6	33.8
229	21.1	16.3	24.5

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM

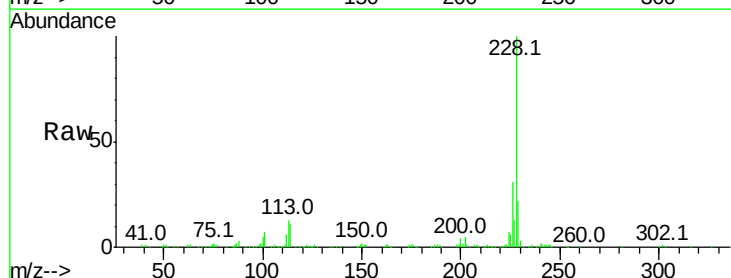


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

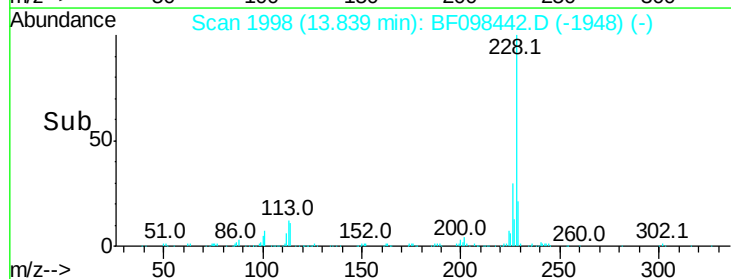
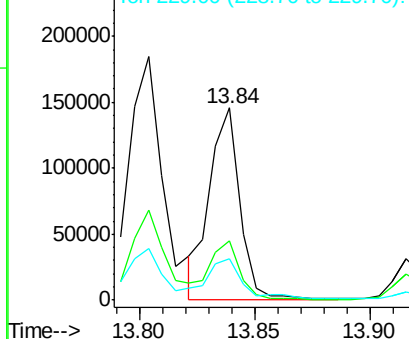


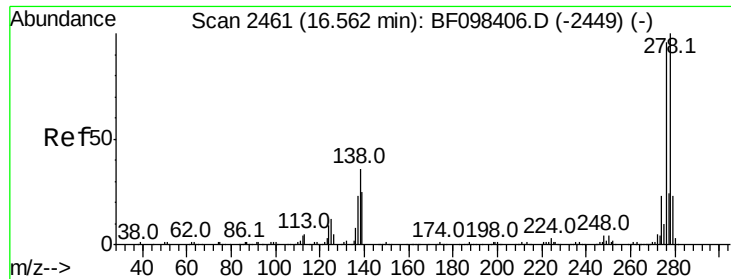
#82
Chrysene
Concen: 5.963 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	21.6	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





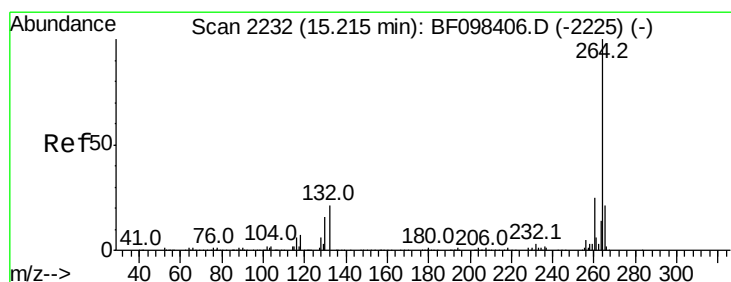
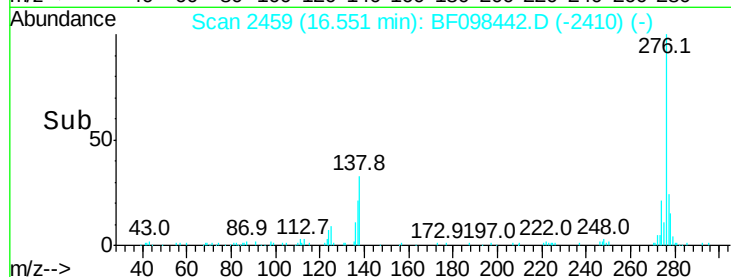
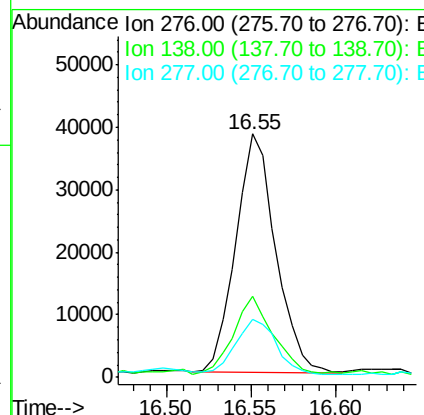
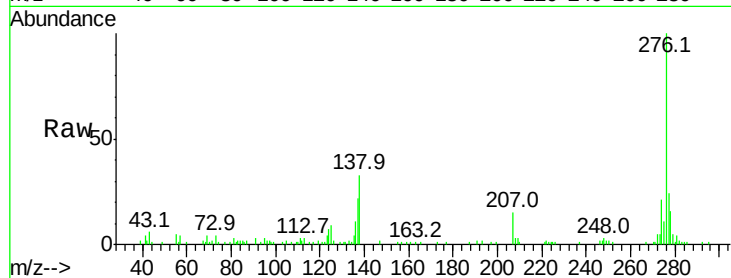
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.019 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.7	27.8	41.6
277	23.8	20.2	30.4

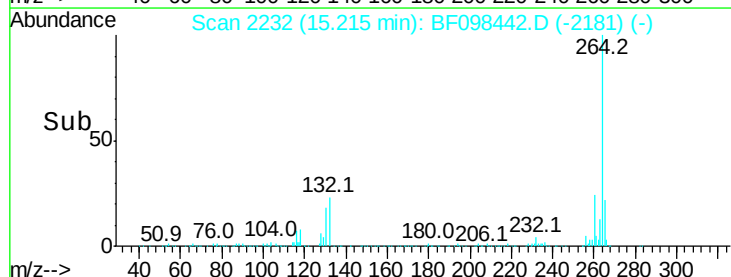
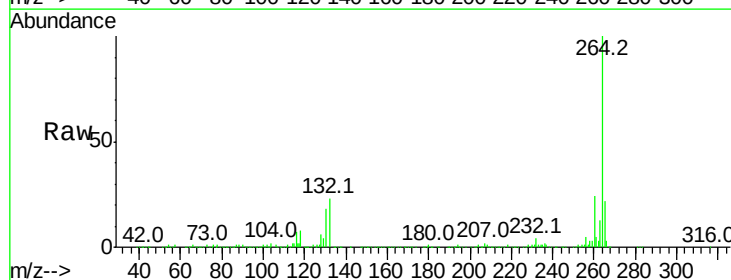
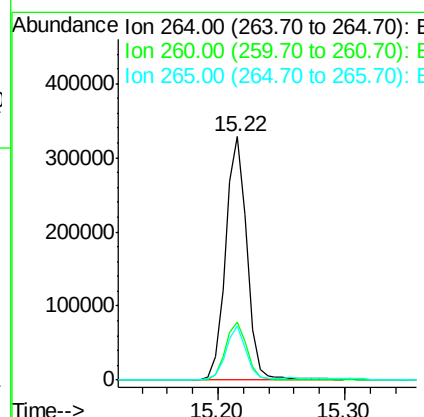
Manual Integrations
APPROVED

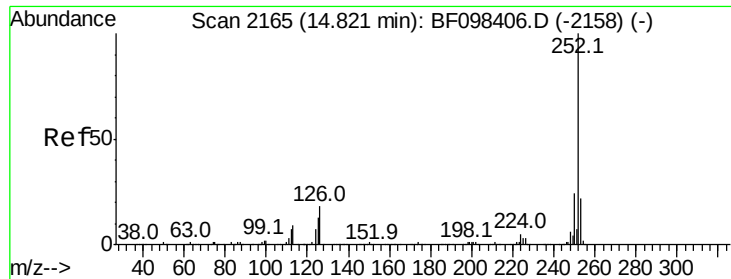
Sohil
9/12/2017 6:02:31 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.089 ng m

RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Instrument :

BNA_F

ClientSampleId :

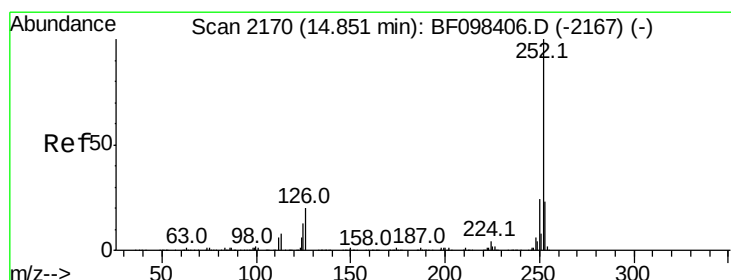
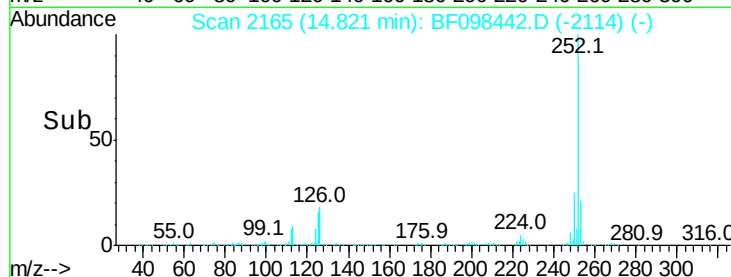
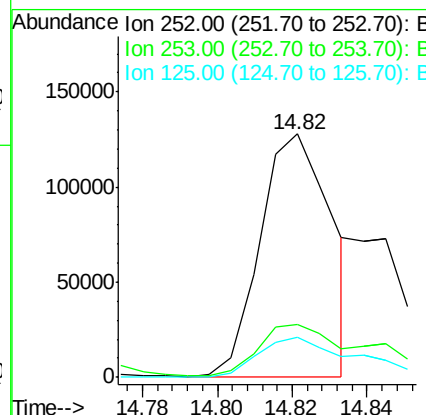
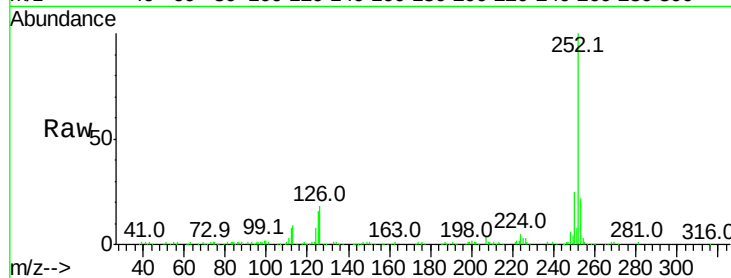
NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	16.2	9.8	14.8#

Manual Integrations
APPROVED

Sohil

9/12/2017 6:02:31 PM



#88

Benzo(k)fluoranthene

Concen: 3.186 ng m

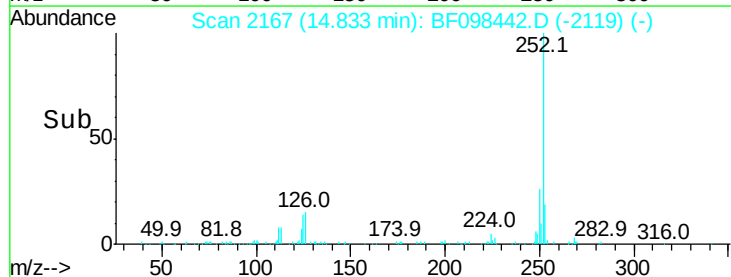
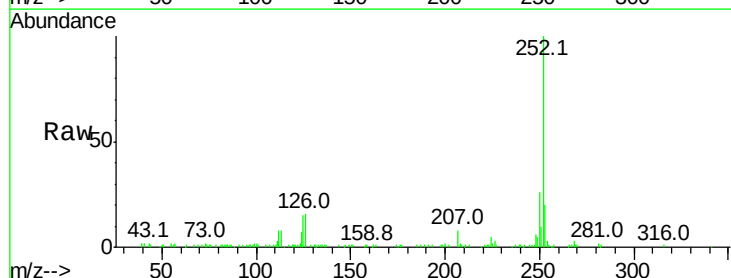
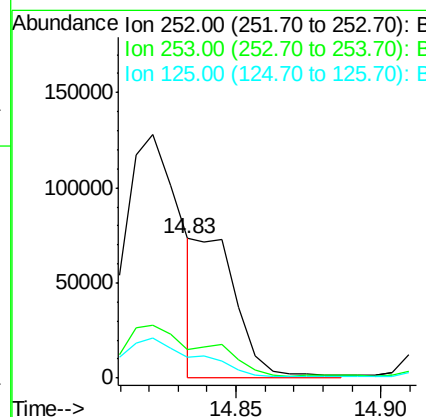
RT: 14.83 min Scan# 2167

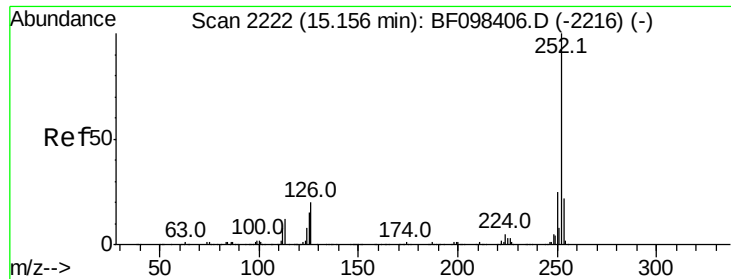
Delta R.T. -0.02 min

Lab File: BF098442.D

Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.4	27.6
125	14.7	13.1	19.7





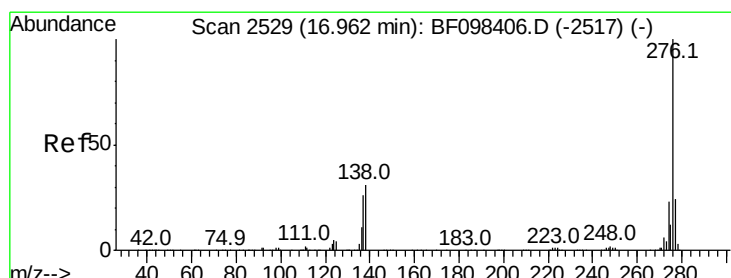
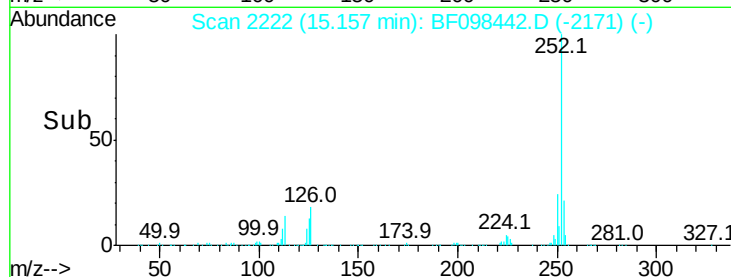
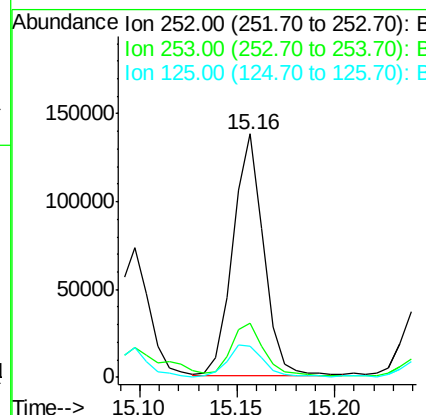
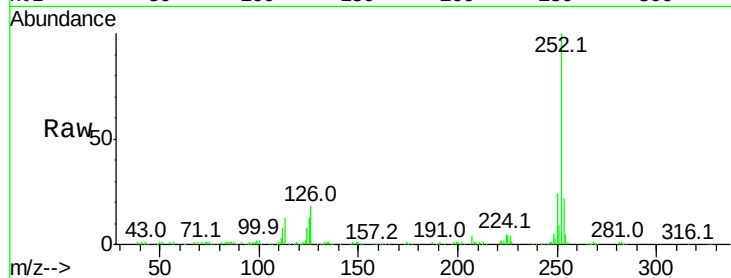
#89
Benzo(a)pyrene
Concen: 6.974 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	12.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:31 PM



#91
Benzo(g,h,i)perylene
Concen: 3.938 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF098442.D
Acq: 12 Sep 2017 10:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	31.1	25.4	38.0

