

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098400.D
 Acq On : 9 Sep 2017 21:54
 Operator : SJ/JU
 Sample : I5151-06 50X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6

Manual Integrations
 APPROVED

Sohil
 9/11/2017 2:42:58 PM

Quant Time: Sep 11 12:18:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	100262	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	366161	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	164780	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	258785	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	195912	20.00	ng	-0.04
86) Perylene-d12	15.23	264	186227	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	6911	1.05	ng	-0.01
7) Phenol-d6	6.33	99	9761	1.09	ng	-0.02
23) Nitrobenzene-d5	7.24	82	5639	0.84	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	1064	0.74	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	10564	0.94	ng	-0.04
78) Terphenyl-d14	12.77	244	7708	0.82	ng	-0.04

Target Compounds				Qvalue		
31) Naphthalene	8.00	128	4357406	229.226	ng	98
37) 2-Methylnaphthalene	8.67	142	876922	75.244	ng	99
45) 1,1'-Biphenyl	9.13	154	293829	19.554	ng	96
48) Acenaphthylene	9.57	152	283529	16.262	ng	97
51) Acenaphthene	9.75	154	846366	76.970	ng	99
54) Dibenzofuran	9.92	168	845250	57.355	ng	97
57) Fluorene	10.26	166	722184	63.383	ng	95
70) Phenanthrene	11.23	178	2396318	173.773	ng	99
71) Anthracene	11.27	178	923993	66.062	ng	99
72) Carbazole	11.42	167	335767	25.291	ng	98
74) Fluoranthene	12.41	202	1742024	121.029	ng	99
77) Pyrene	12.64	202	1525801	95.224	ng	98
80) Benzo(a)anthracene	13.82	228	686010m	58.425	ng	
82) Chrysene	13.86	228	561916	48.108	ng	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	245132m	28.529	ng	
87) Benzo(b)fluoranthene	14.84	252	659809m	56.209	ng	
88) Benzo(k)fluoranthene	14.86	252	241868m	21.931	ng	
89) Benzo(a)pyrene	15.17	252	545300	52.474	ng	97
90) Dibenzo(a,h)anthracene	16.58	278	49769m	5.883	ng	
91) Benzo(a,h,i)perylene	16.98	276	225103	25.500	ng	96

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

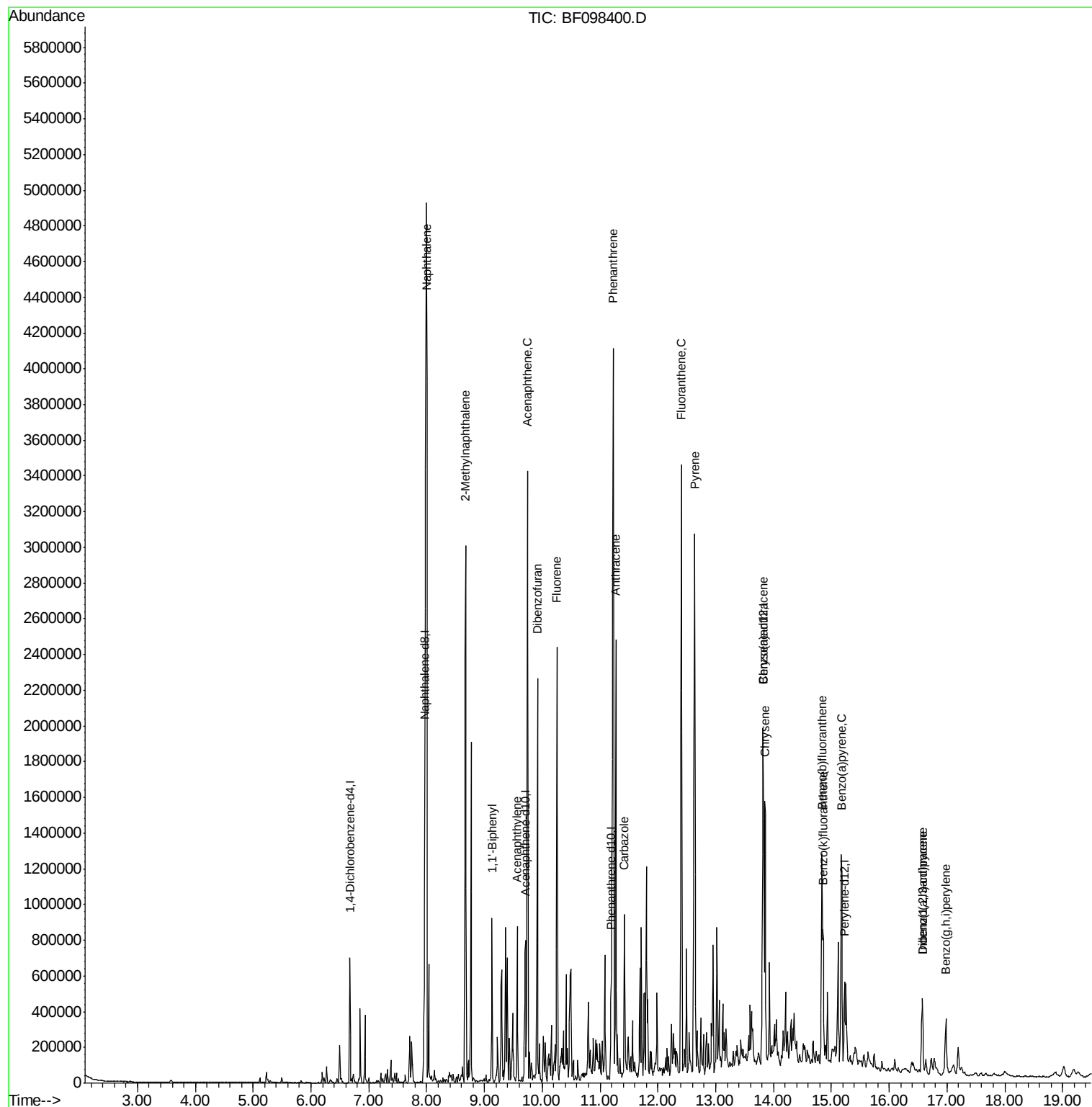
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098400.D
Acq On : 9 Sep 2017 21:54
Operator : SJ/JU
Sample : I5151-06 50X
Misc :
ALS Vial : 25 Sample Multiplier: 1

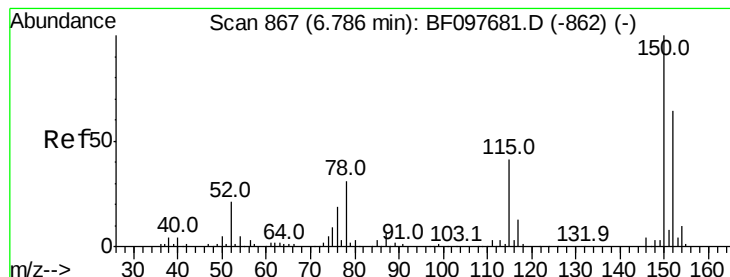
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:58 PM

Quant Time: Sep 11 12:18:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration





#1

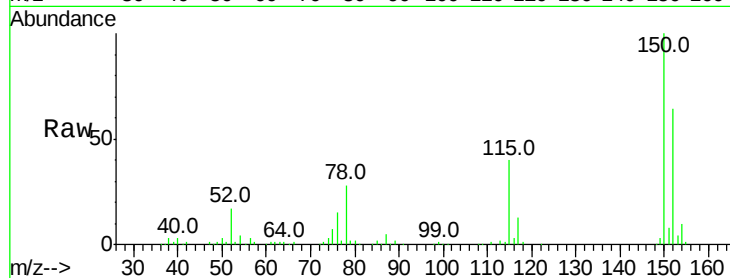
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	62.3	52.2	78.2

Manual Integrations
 APPROVED

Sohil
 9/11/2017 2:42:58 PM

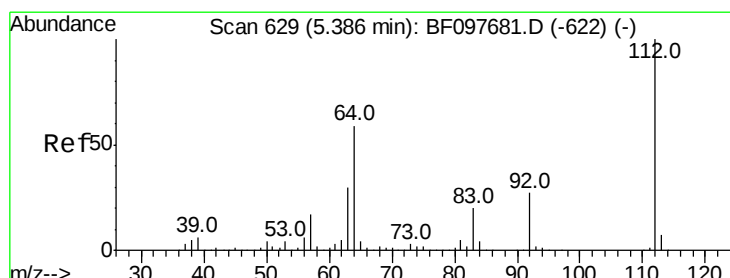
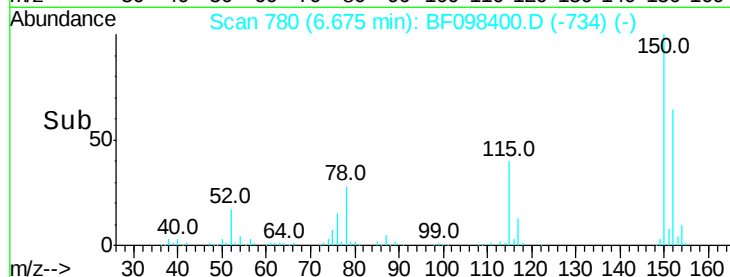
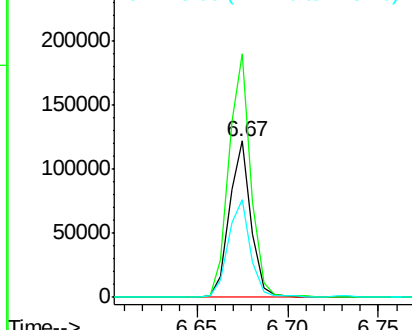


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

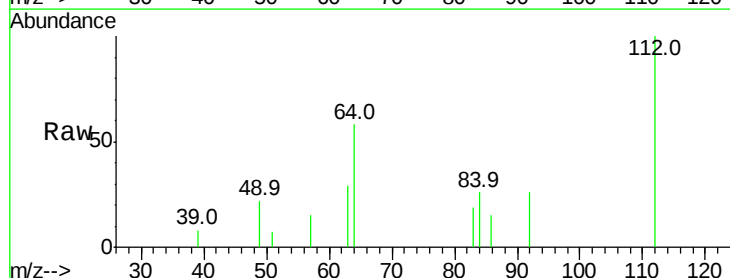
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 1.048 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.0	69.0
63	28.8	23.4	35.0

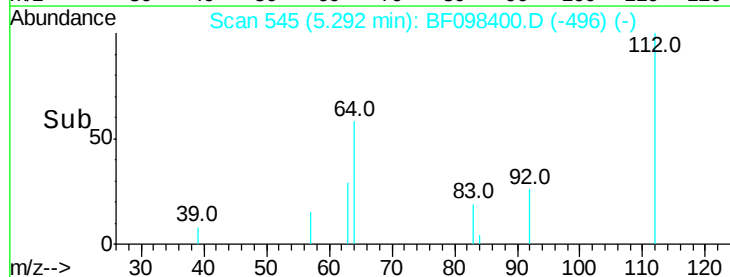
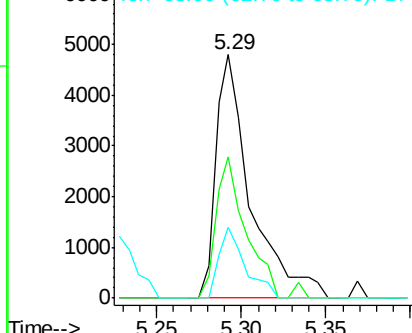


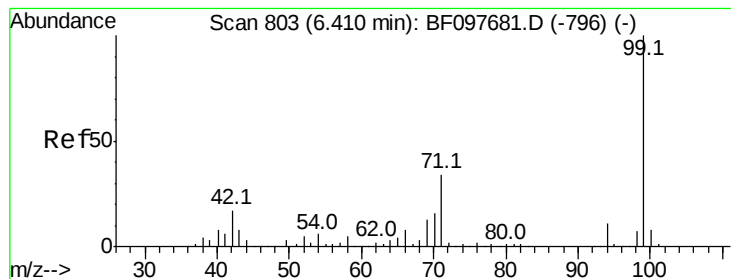
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.090 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

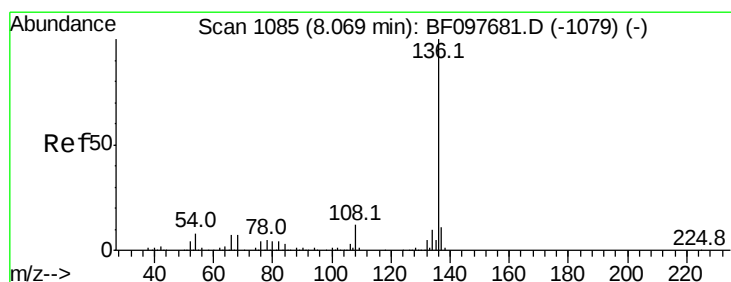
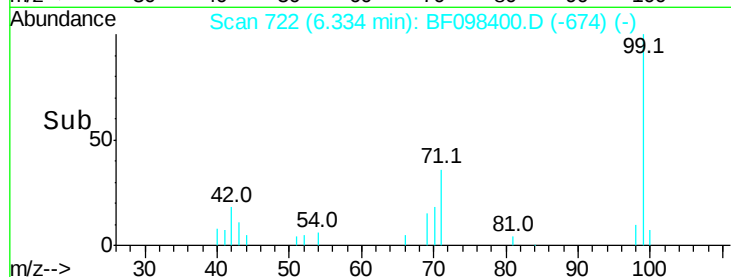
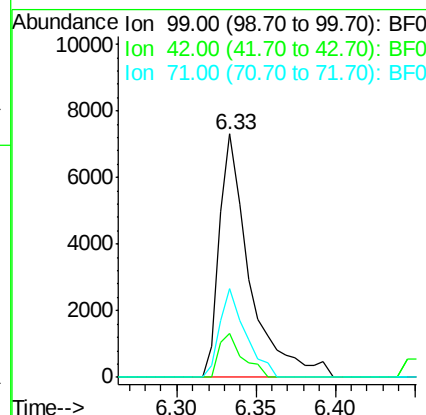
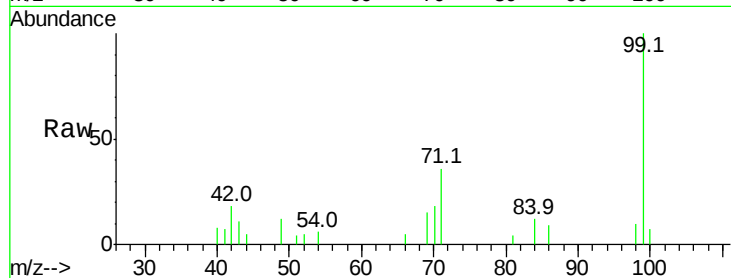
ClientSampleId :

NYSEG-PH4-ESMI2-6

Tot Ion:	99	Resp:	9761
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.5	20.3
71	36.4	24.5	36.7

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:58 PM



#21

Naphthalene-d8

Concen: 20.000 ng

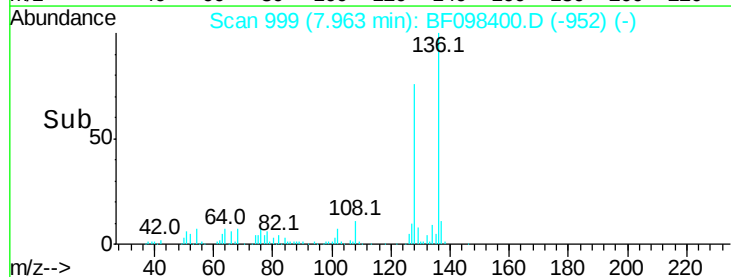
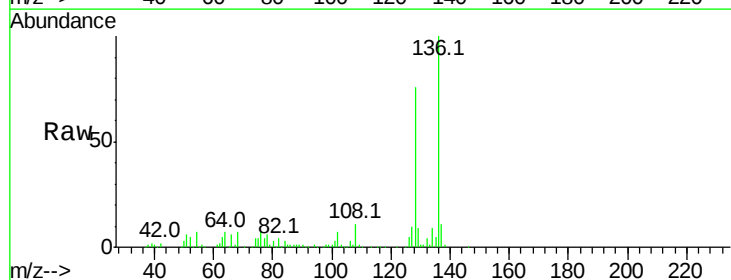
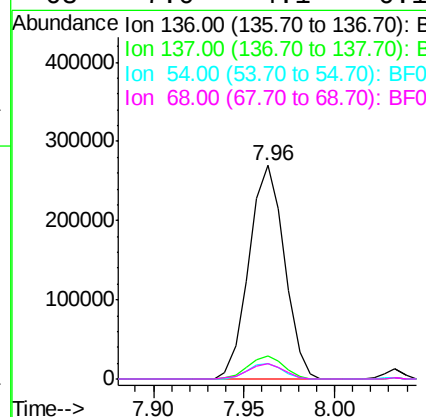
RT: 7.96 min Scan# 999

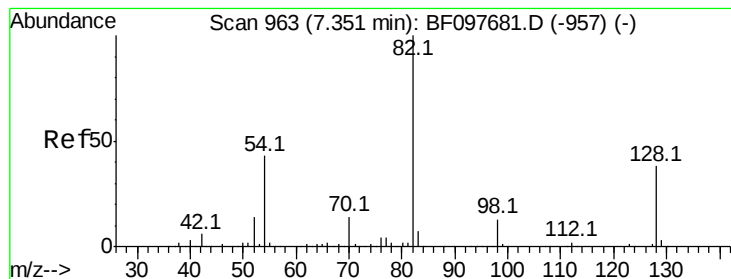
Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Tgt Ion:	136	Resp:	366161
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.2	4.9	7.3
68	7.0	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 0.837 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

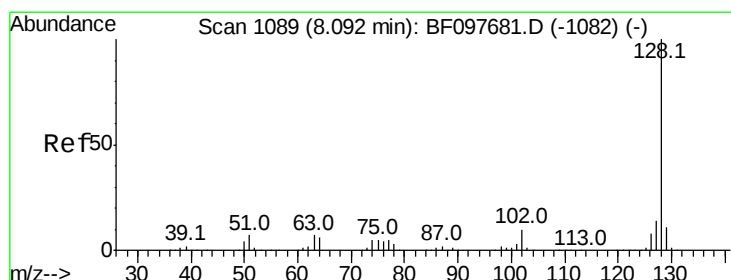
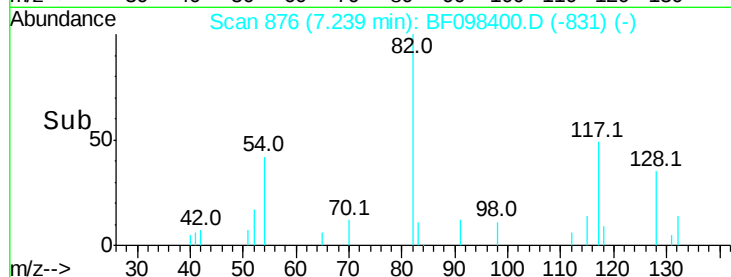
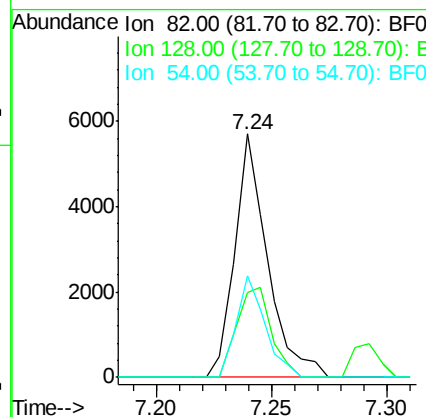
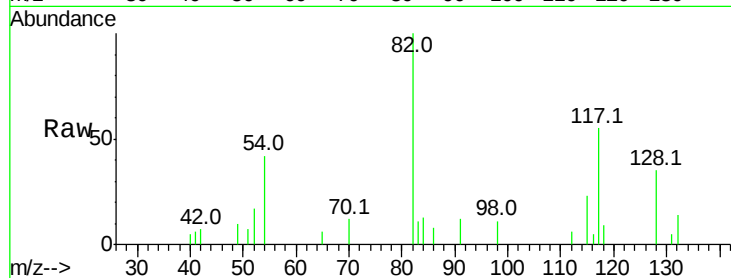
ClientSampleId :

NYSEG-PH4-ESMI2-6

Tot Ion:	82	Resp:	5639
Ion Ratio	Lower	Upper	
82	100		
128	34.6	34.0	51.0
54	41.6	42.2	63.2#

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:58 PM



#31

Naphthalene

Concen: 229.226 ng

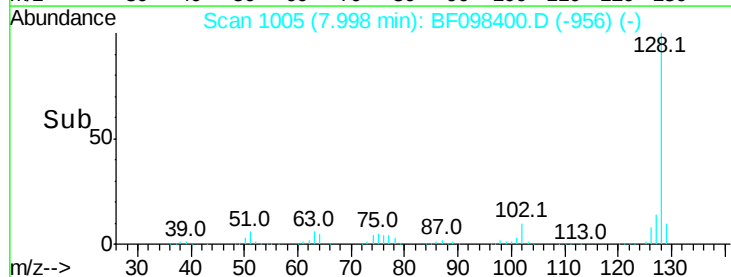
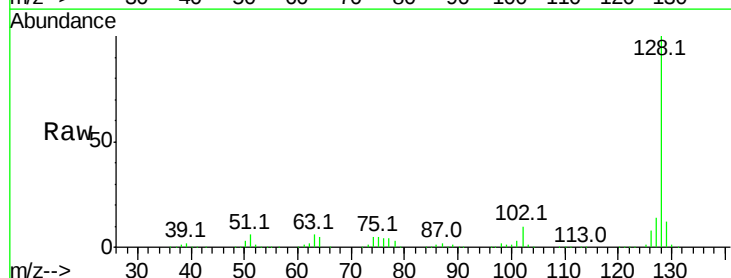
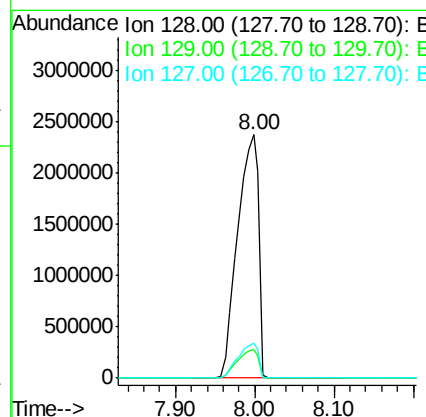
RT: 8.00 min Scan# 1005

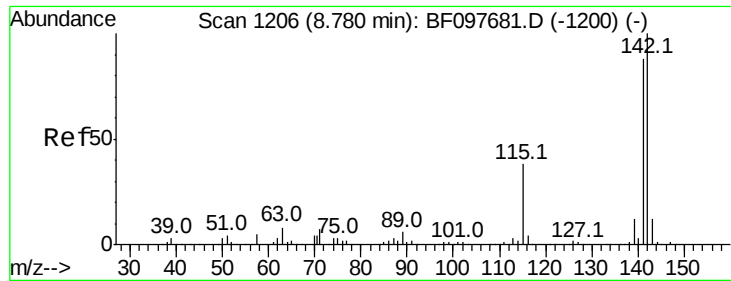
Delta R.T. -0.01 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Tgt Ion:	128	Resp:	4357406
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.0	13.6
127	14.4	10.8	16.2





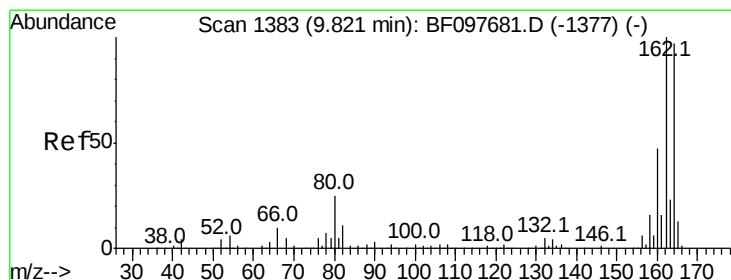
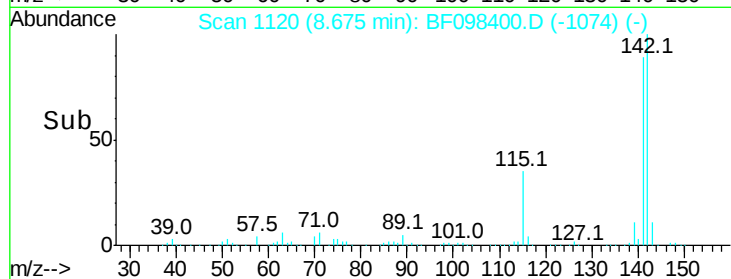
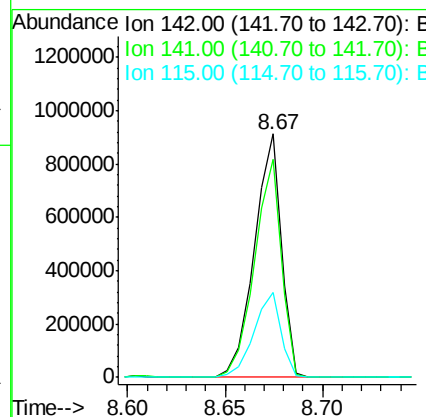
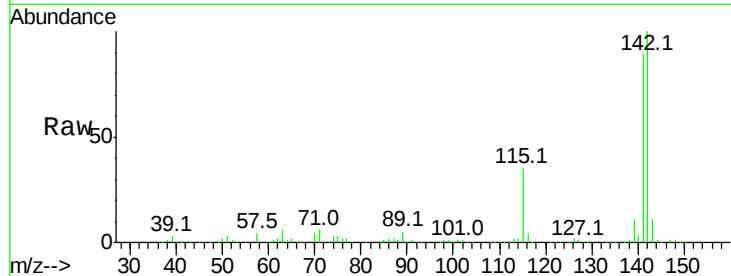
#37
 2-Methylnaphthalene
 Concen: 75.244 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.3	106.9
115	34.7	27.1	40.7

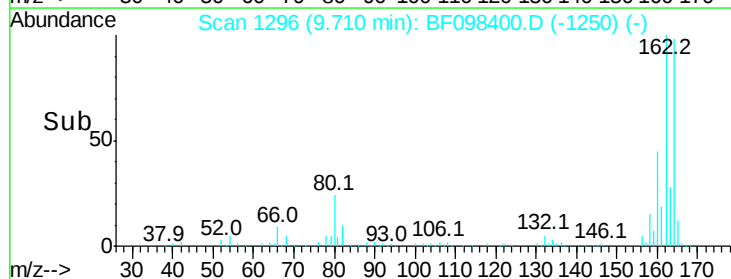
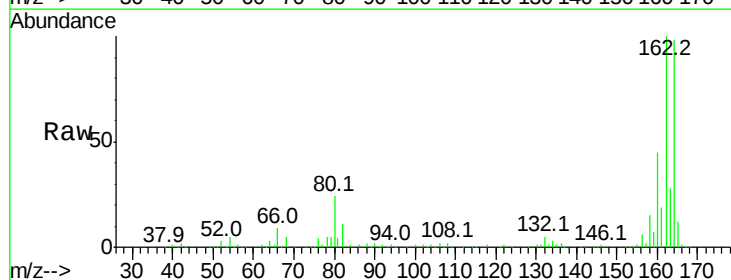
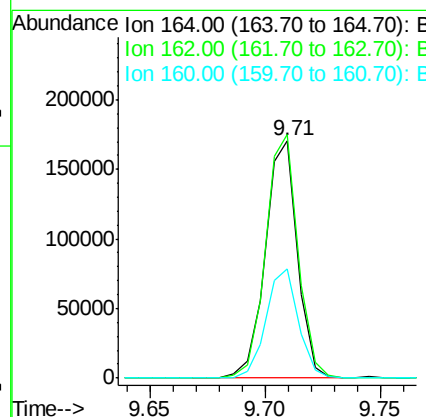
Manual Integrations
 APPROVED

Sohil
 9/11/2017 2:42:58 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	45.9	36.2	54.2





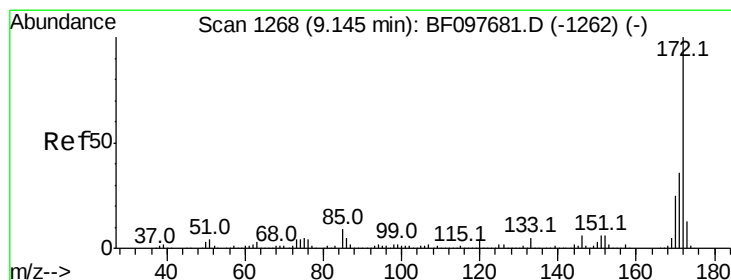
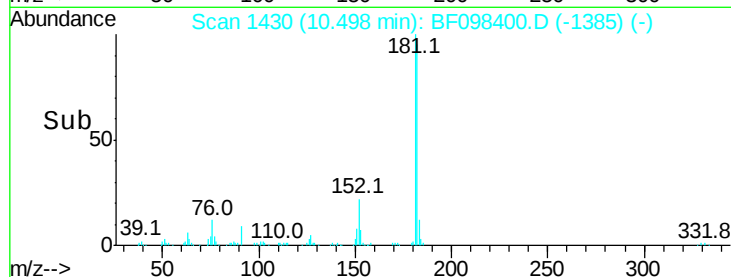
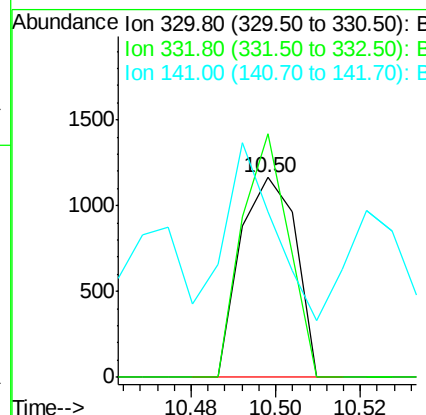
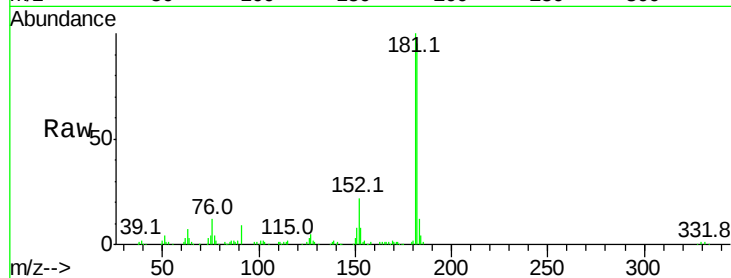
#41
 2,4,6-Tribromophenol
 Concen: 0.744 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.1	76.6	115.0
141	106.2	31.4	47.2#

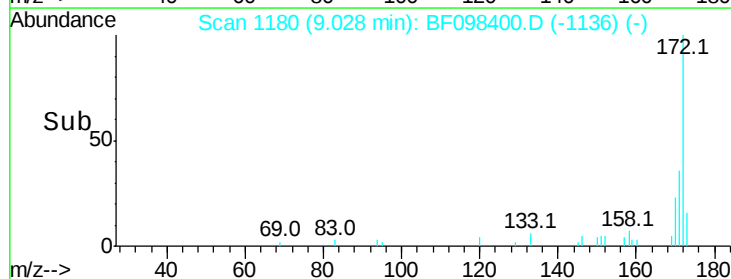
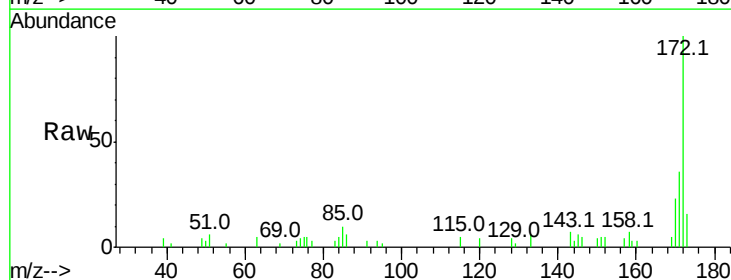
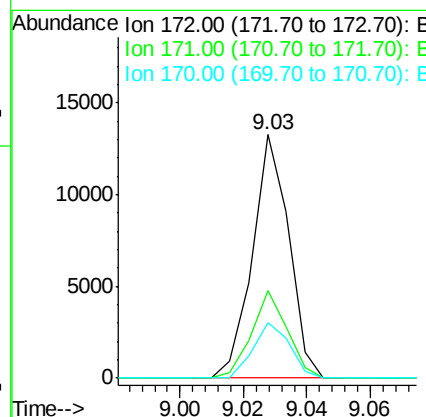
Manual Integrations
 APPROVED

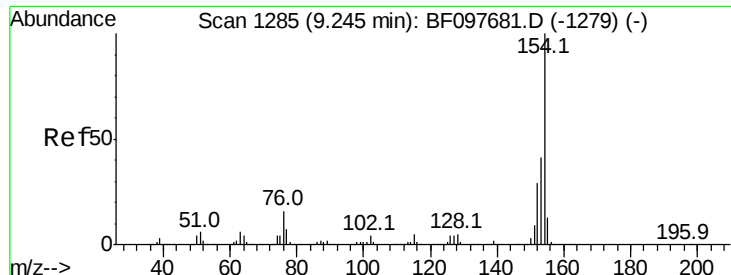
Sohil
 9/11/2017 2:42:58 PM



#44
 2-Fluorobiphenyl
 Concen: 0.942 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	22.9	19.8	29.8





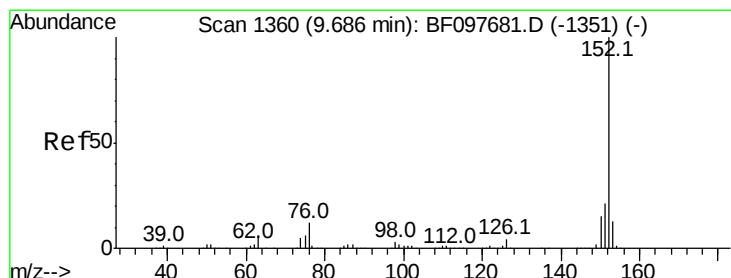
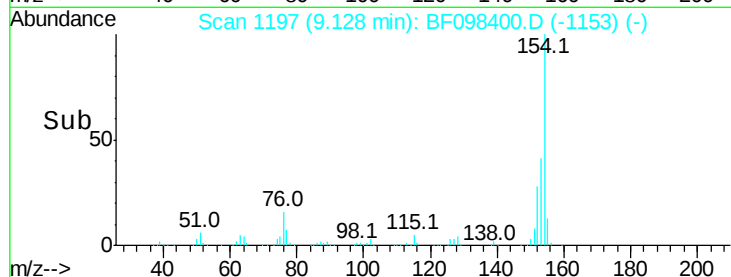
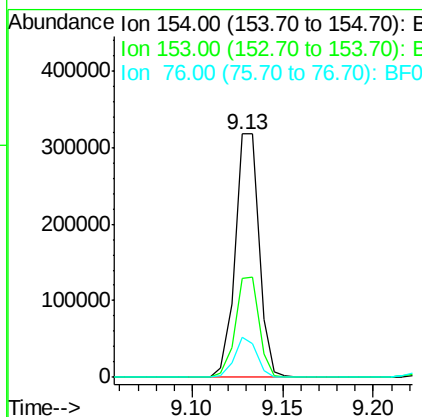
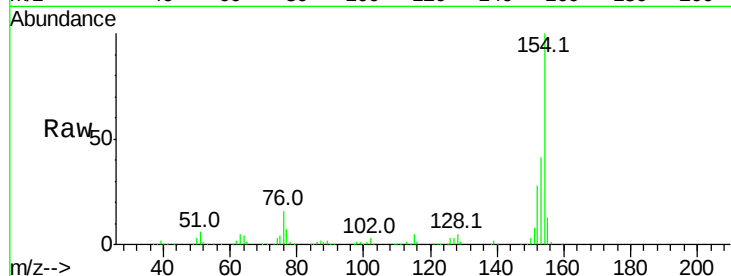
#45
 1,1'-Biphenyl
 Concen: 19.554 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Resp	Lower	Upper
154	100	293829		
153	40.5	21.2	61.2	
76	16.5	0.0	29.9	

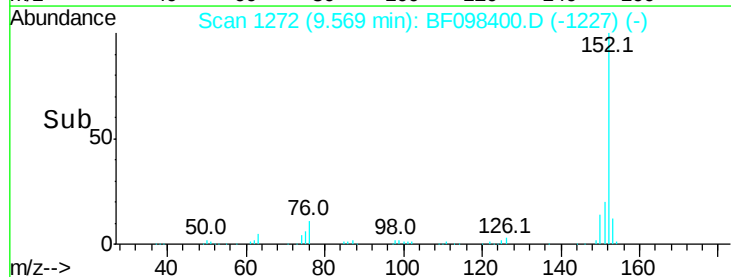
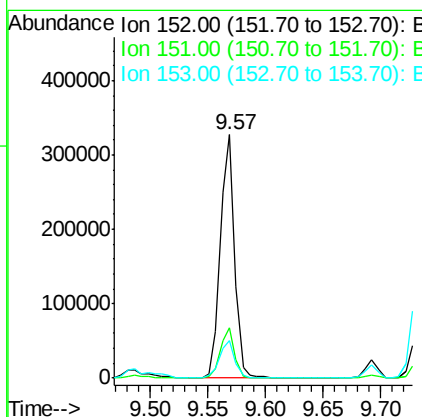
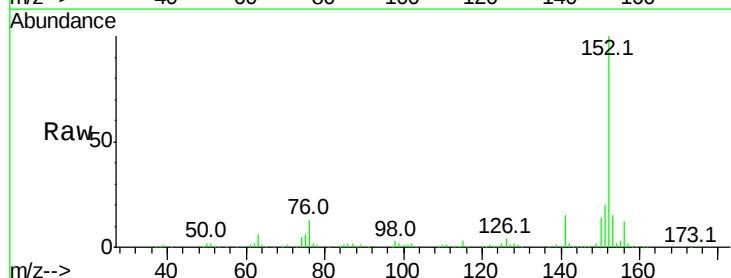
Manual Integrations
 APPROVED

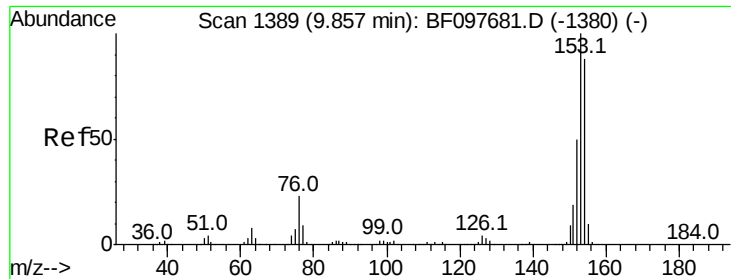
Sohil
 9/11/2017 2:42:58 PM



#48
 Acenaphthylene
 Concen: 16.262 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	283529		
151	20.5	16.8	25.2	
153	15.4	10.8	16.2	





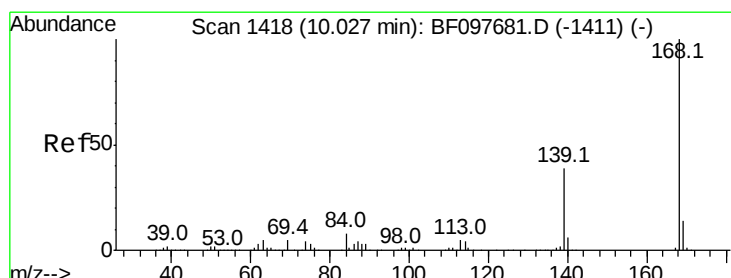
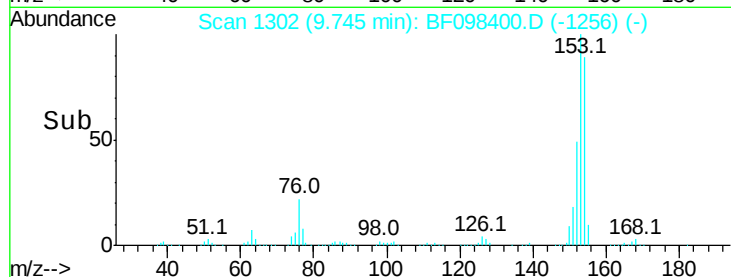
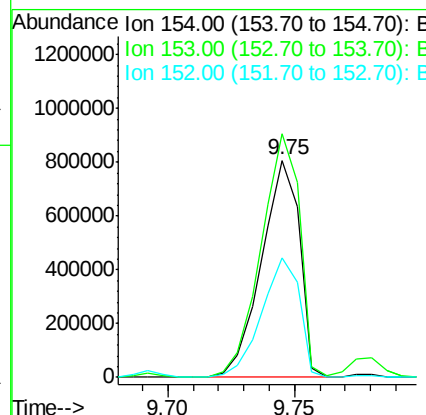
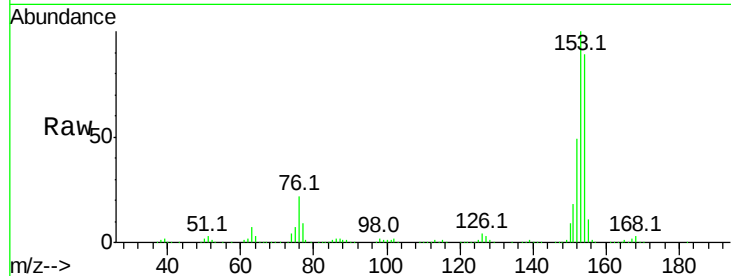
#51
Acenaphthene
Concen: 76.970 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.5	135.7
152	55.0	43.6	65.4

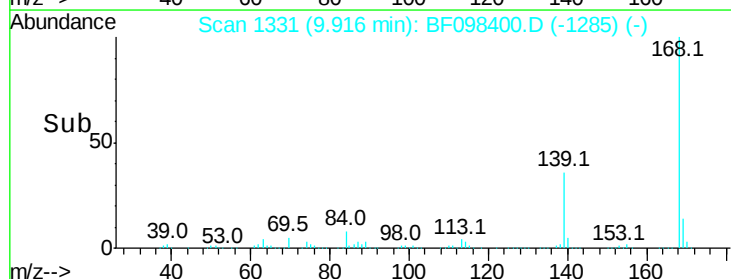
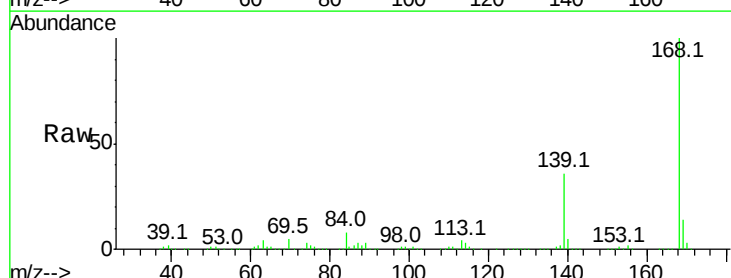
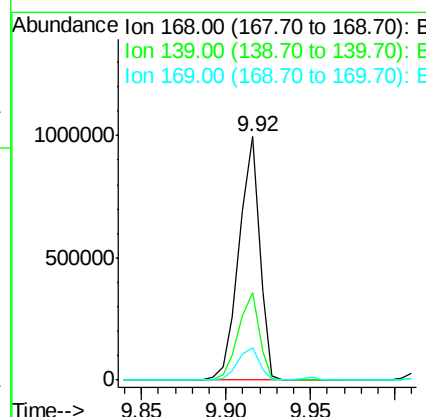
Manual Integrations
APPROVED

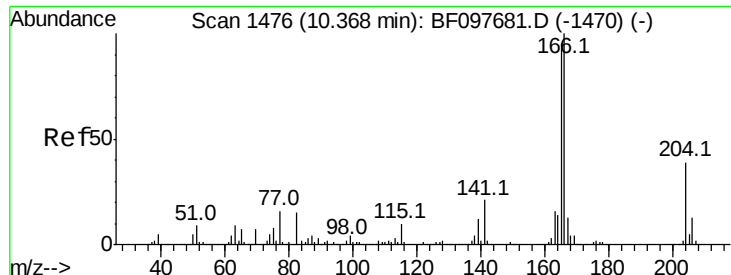
Sohil
9/11/2017 2:42:58 PM



#54
Dibenzofuran
Concen: 57.355 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.6	45.8
169	13.6	10.8	16.2





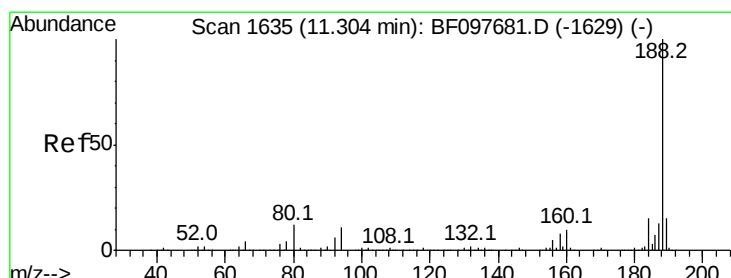
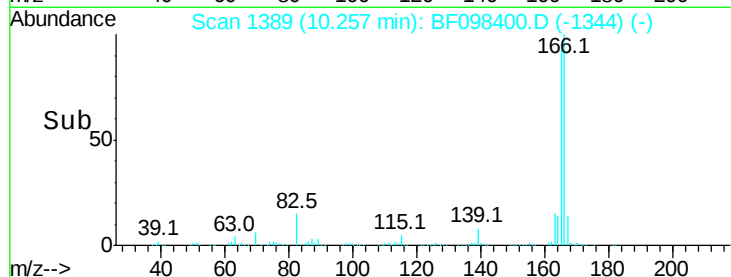
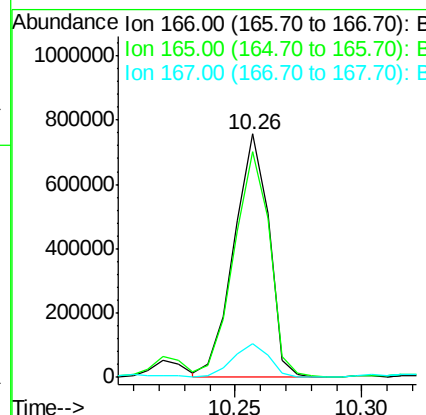
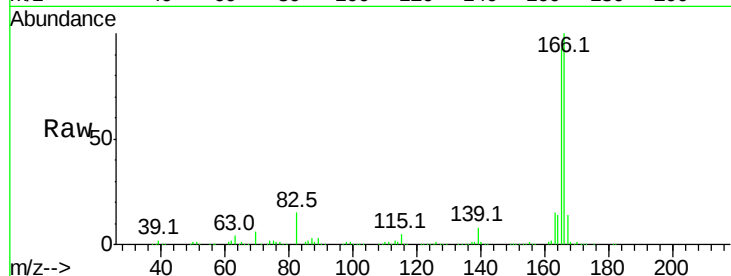
#57
Fluorene
 Concen: 63.383 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.9	78.8	118.2
167	13.7	10.6	16.0

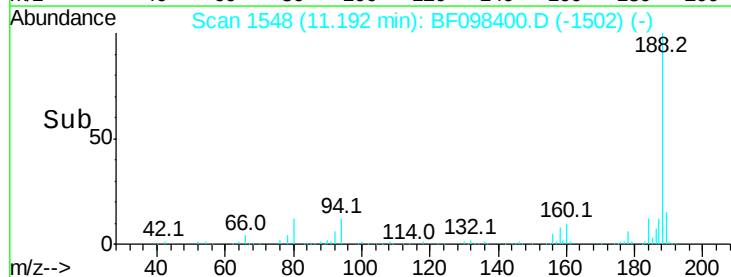
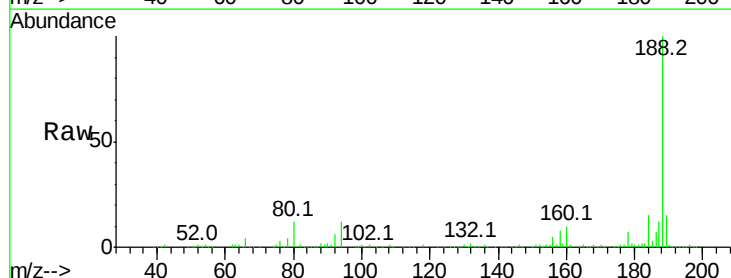
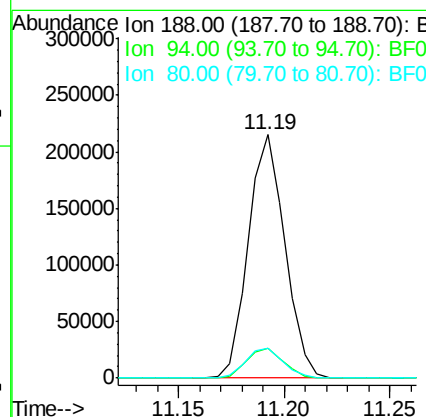
Manual Integrations
 APPROVED

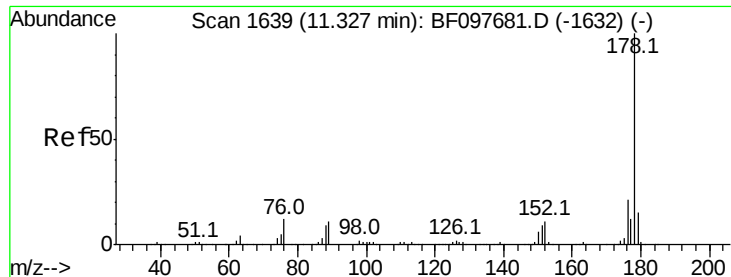
Sohil
 9/11/2017 2:42:58 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	12.1	10.2	15.2





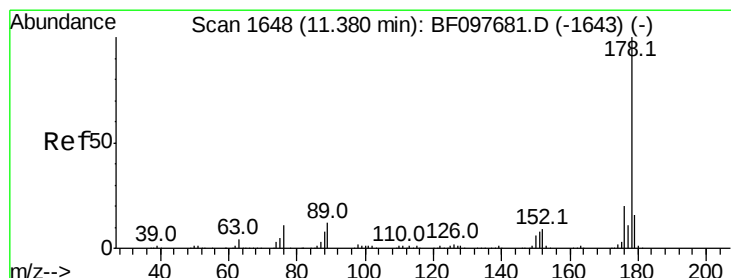
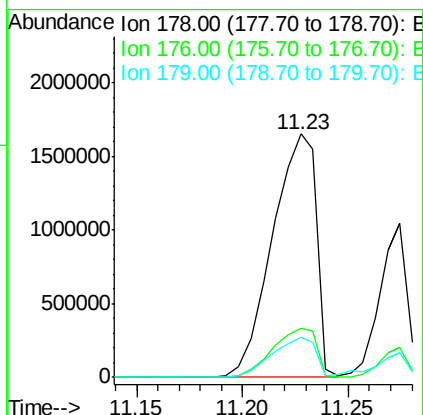
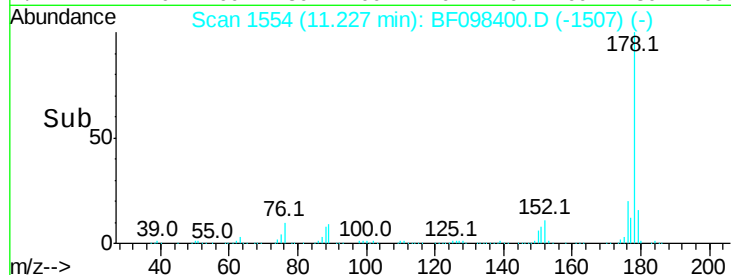
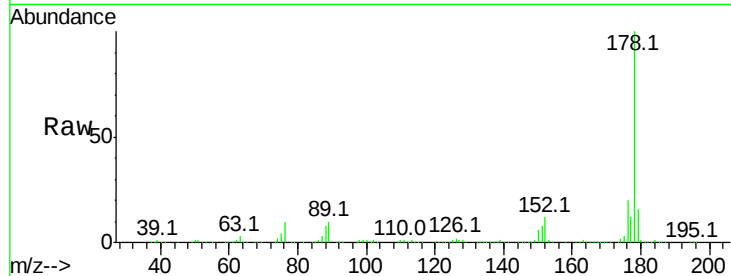
#70
Phenanthrene
Concen: 173.773 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6

Tot Ion:178 Resp: 2396318
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 16.3 12.6 19.0

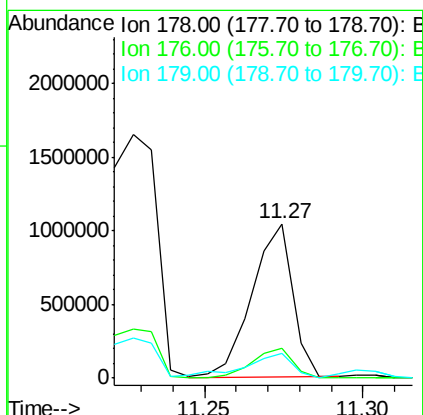
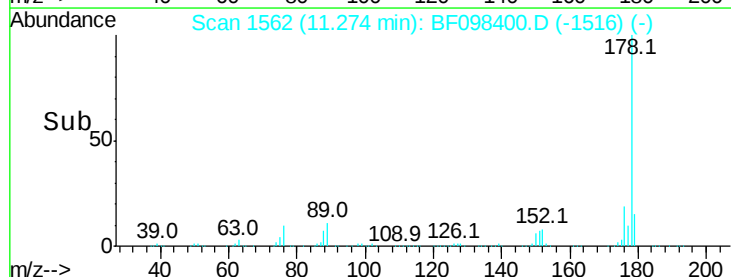
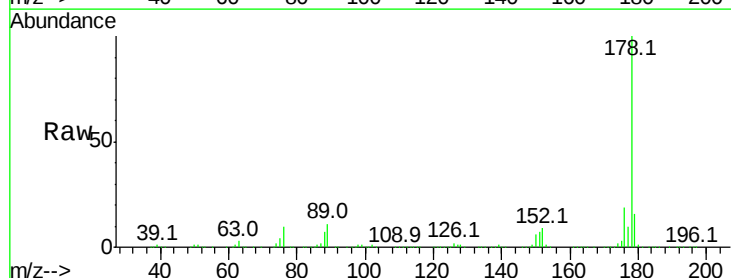
Manual Integrations
APPROVED

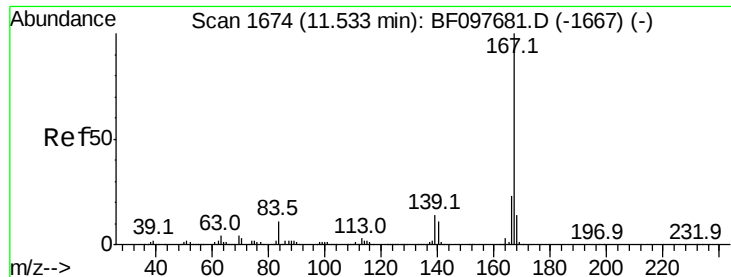
Sohil
9/11/2017 2:42:58 PM



#71
Anthracene
Concen: 66.062 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion:178 Resp: 923993
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.7 12.7 19.1





#72

Carbazole

Concen: 25.291 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.04 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

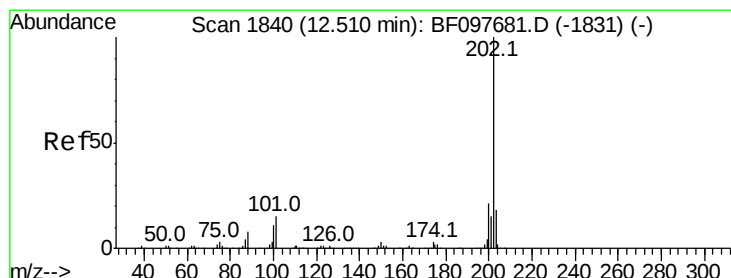
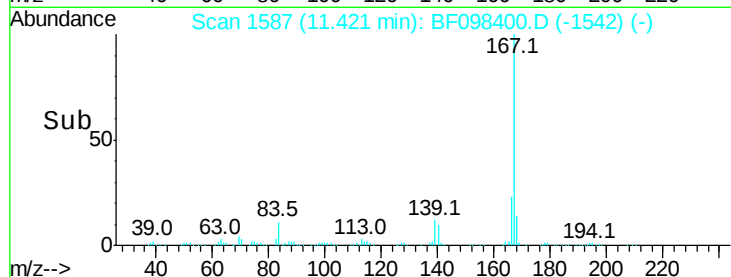
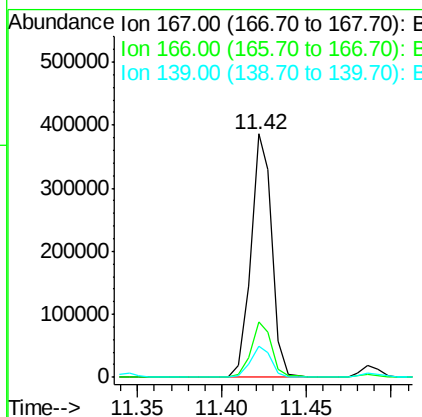
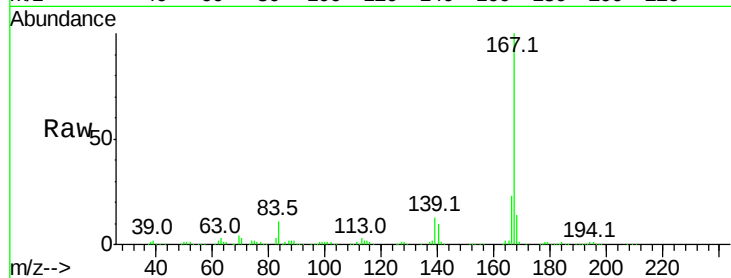
ClientSampleId :

NYSEG-PH4-ESMI2-6

Tot Ion:	167	Resp:	335767
Ion Ratio	Lower	Upper	
167	100		
166	22.7	18.1	27.1
139	12.6	11.7	17.5

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:58 PM



#74

Fluoranthene

Concen: 121.029 ng

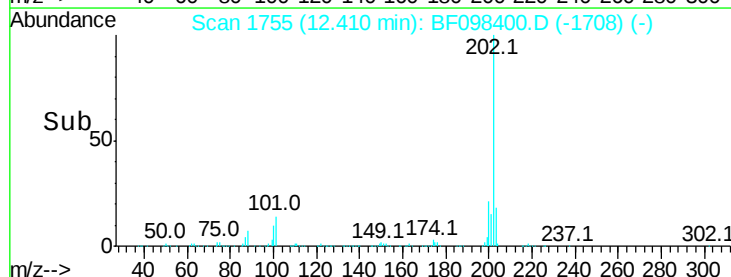
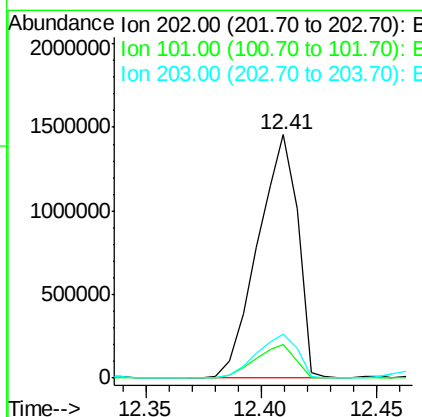
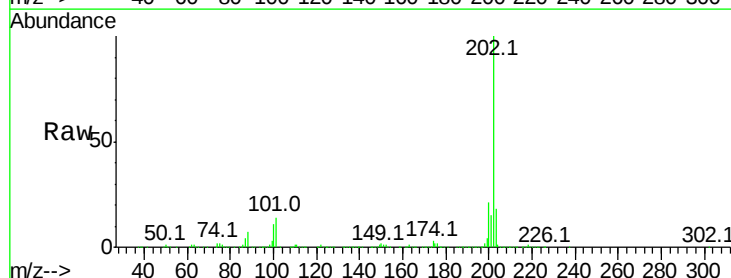
RT: 12.41 min Scan# 1755

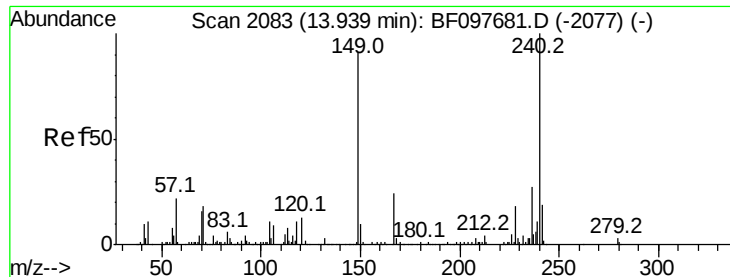
Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Tgt Ion:	202	Resp:	1742024
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	33.2
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

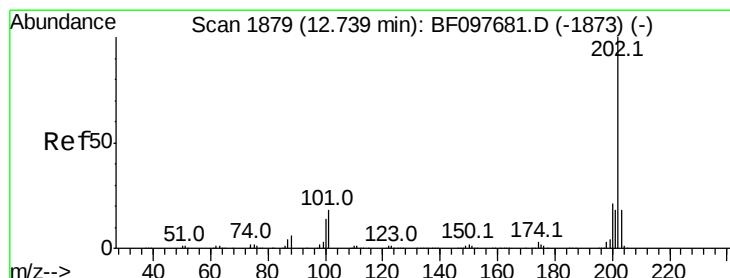
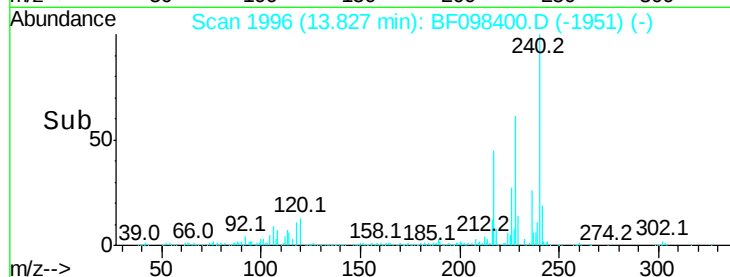
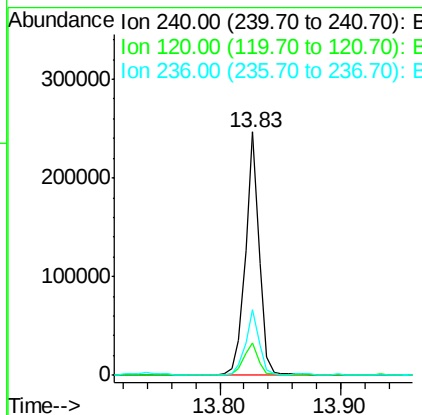
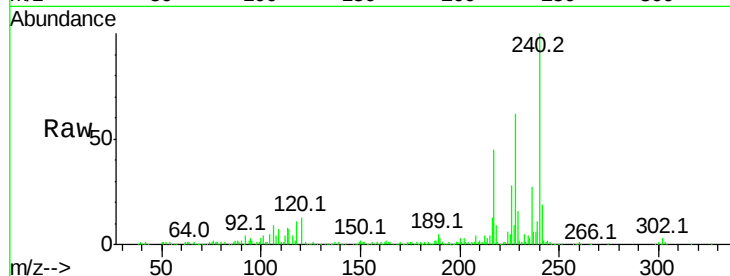
NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	26.9	20.5	30.7

Manual Integrations
APPROVED

Sohil

9/11/2017 2:42:58 PM



#77

Pyrene

Concen: 95.224 ng

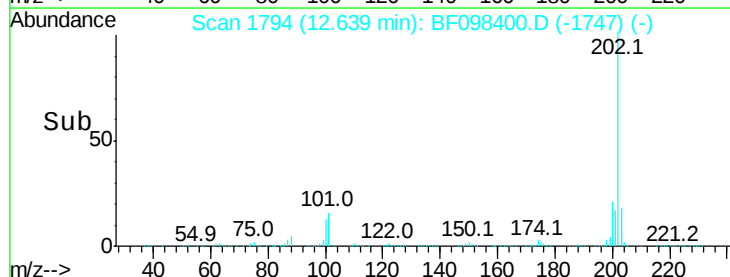
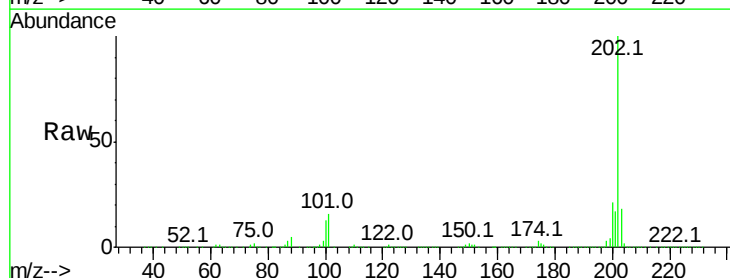
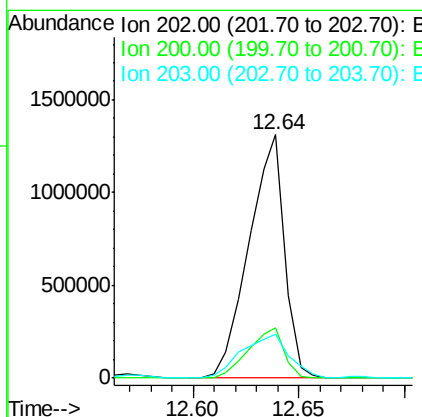
RT: 12.64 min Scan# 1794

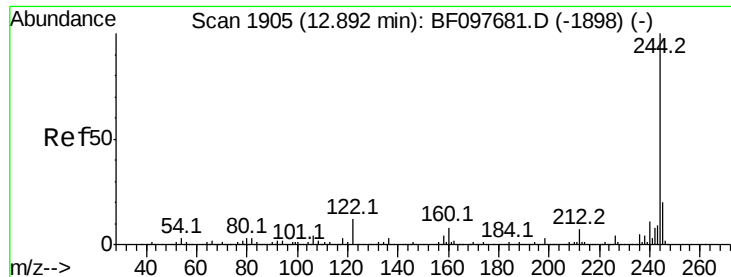
Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	18.1	14.4	21.6





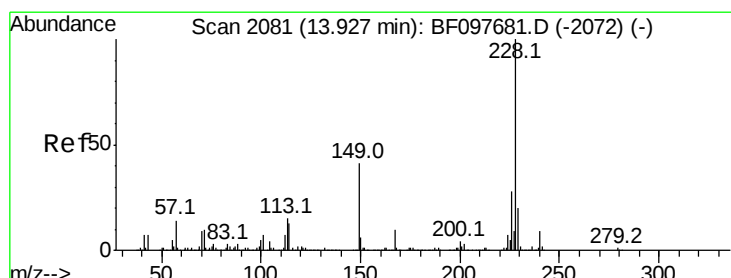
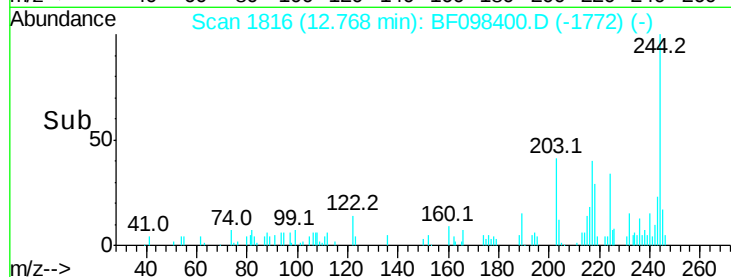
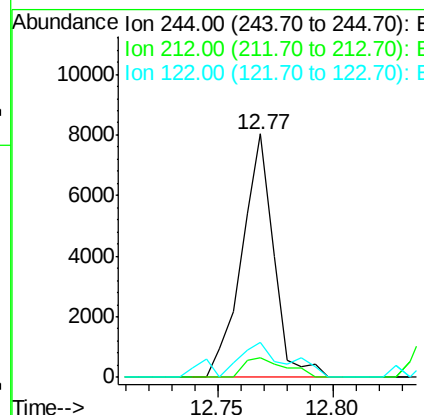
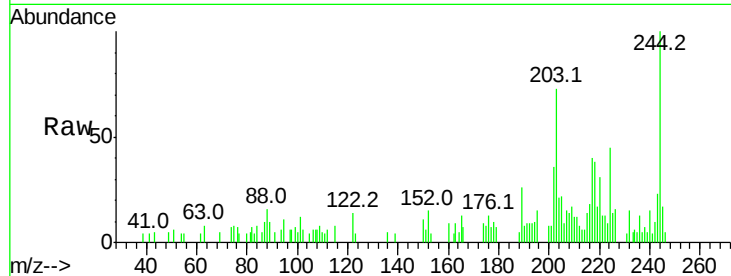
#78
 Terphenyl-d14
 Concen: 0.820 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.0	9.0
122	14.2	10.3	15.5

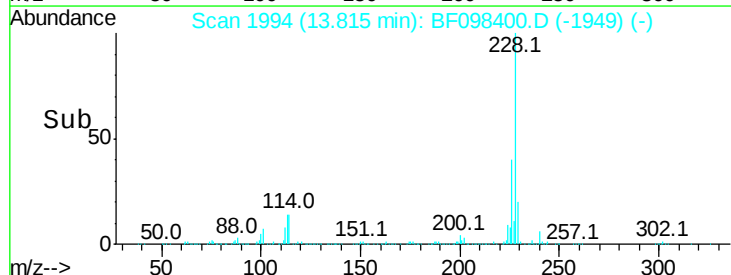
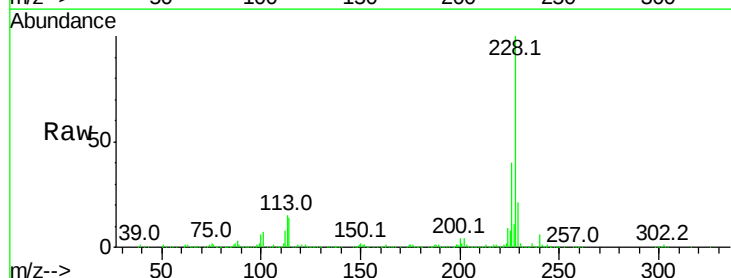
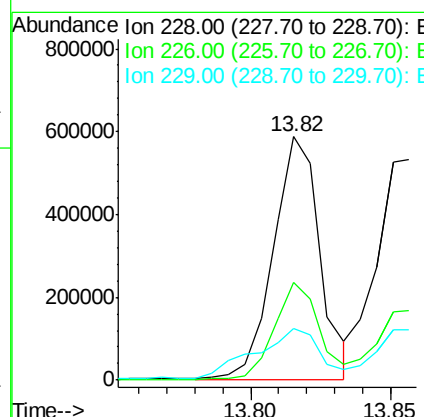
Manual Integrations
 APPROVED

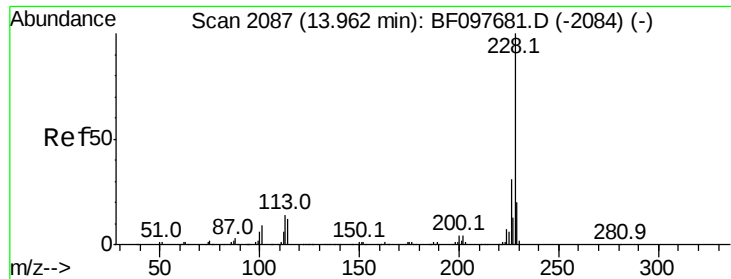
Sohil
 9/11/2017 2:42:58 PM



#80
 Benzo(a)anthracene
 Concen: 58.425 ng m
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.9	22.6	33.8#
229	21.1	16.3	24.5





#82

Chrysene

Concen: 48.108 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.03 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

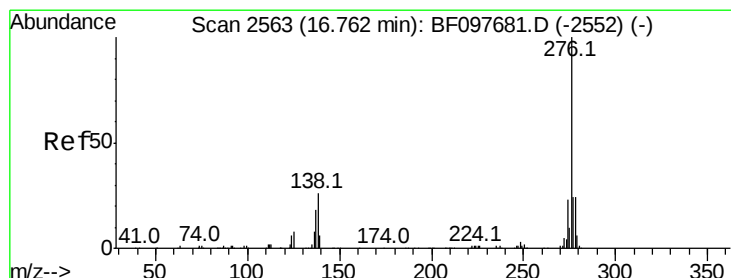
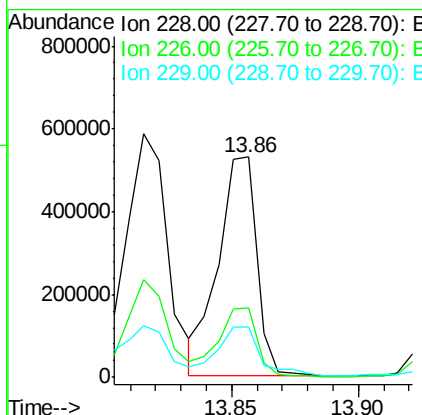
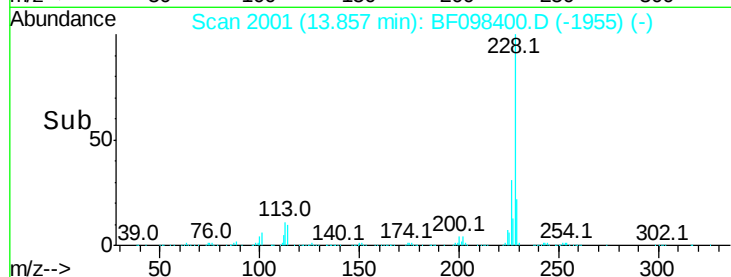
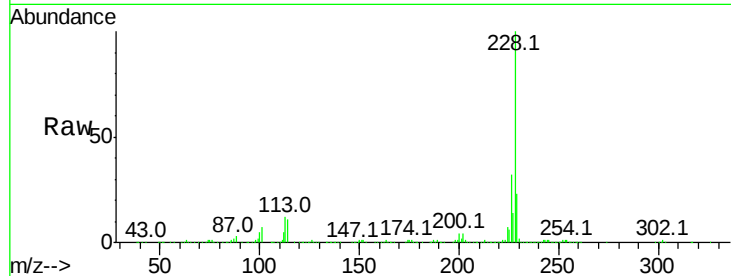
ClientSampleId :

NYSEG-PH4-ESMI2-6

Tot Ion:	228	Resp:	561916
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.9	37.3
229	22.7	15.8	23.6

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:58 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 28.529 ng m

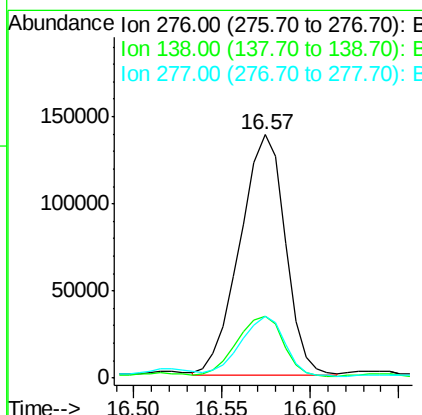
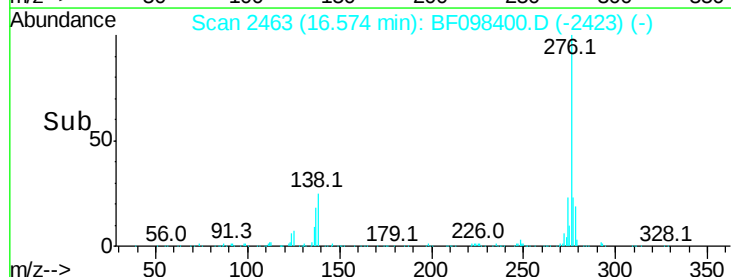
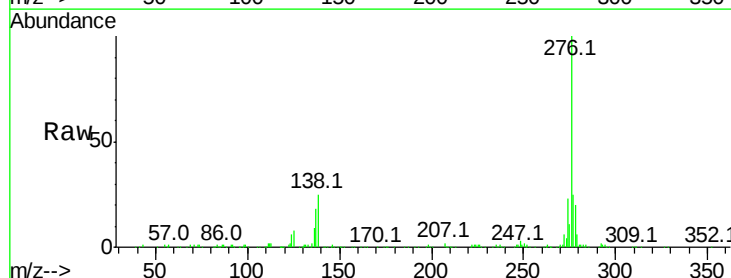
RT: 16.57 min Scan# 2463

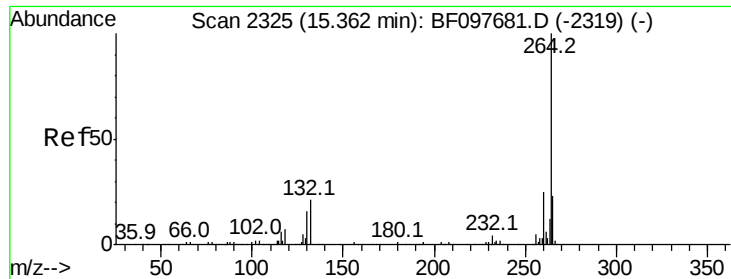
Delta R.T. -0.06 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Tgt Ion:	276	Resp:	245132
Ion Ratio	Lower	Upper	
276	100		
138	5.3	27.8	41.6#
277	4.7	20.2	30.4#





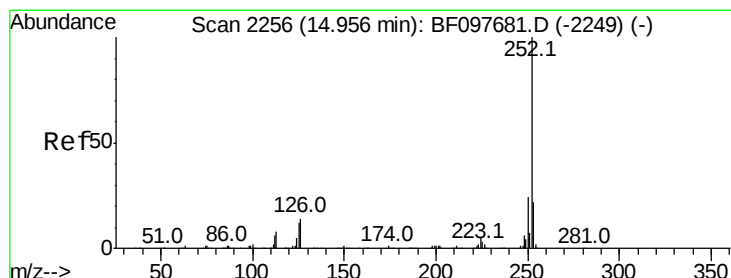
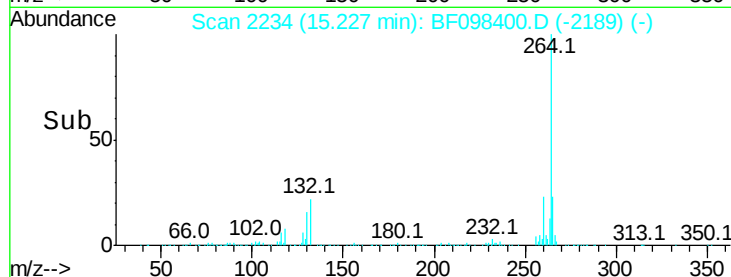
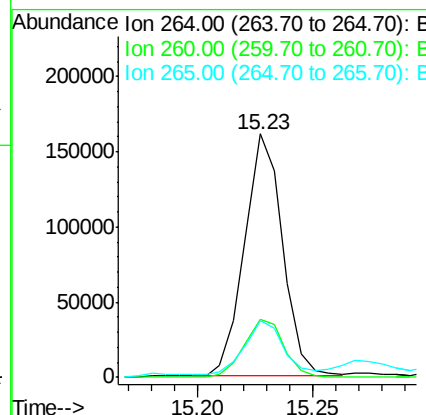
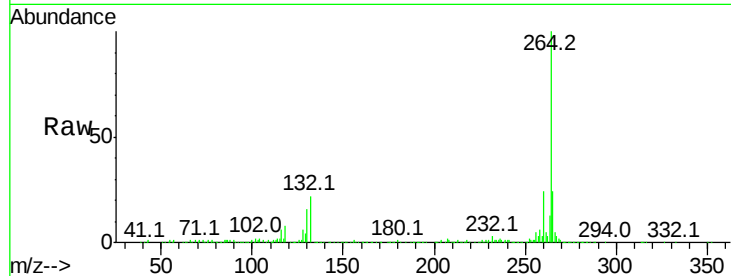
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	23.5	17.2	25.8

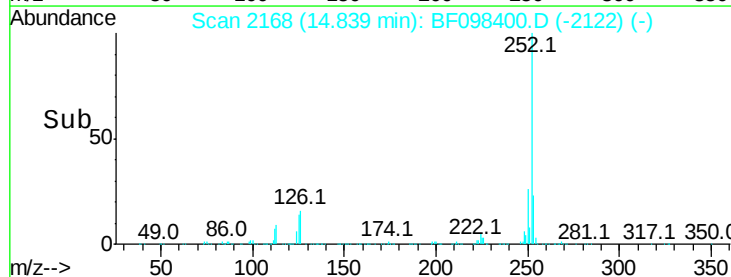
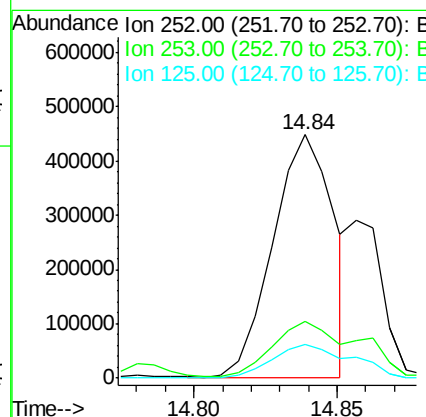
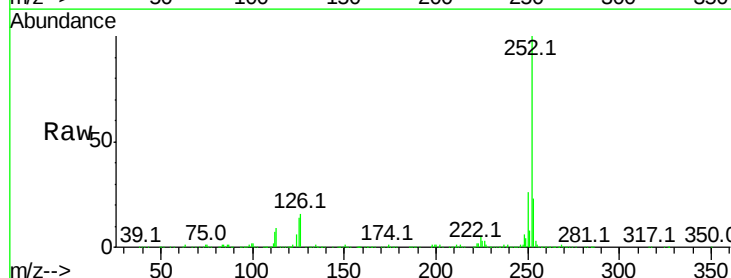
Manual Integrations
APPROVED

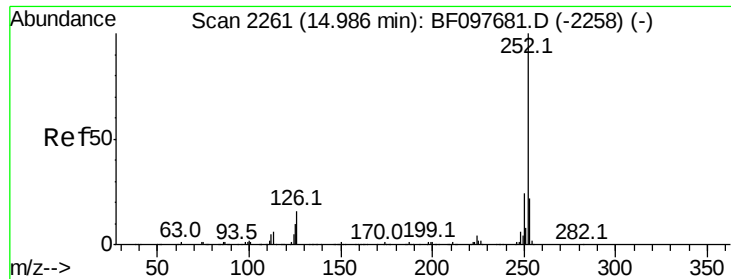
Sohil
9/11/2017 2:42:58 PM



#87
Benzo(b)fluoranthene
Concen: 56.209 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.03 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	13.9	9.8	14.8





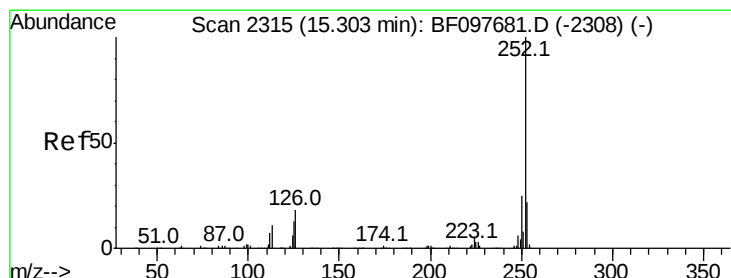
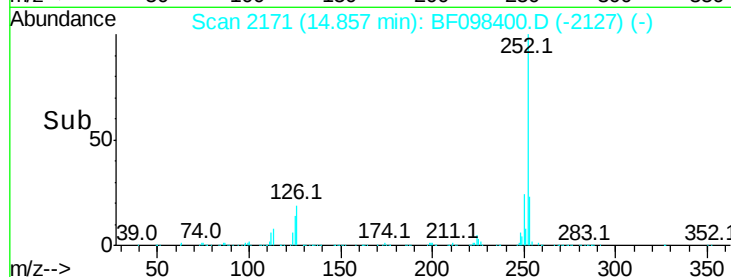
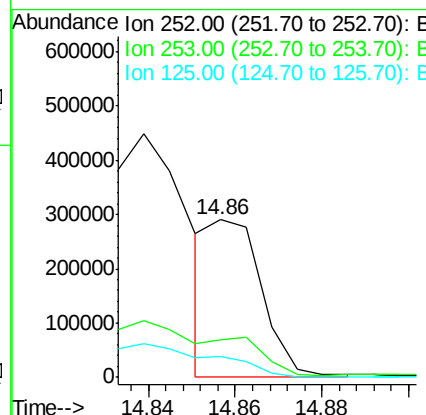
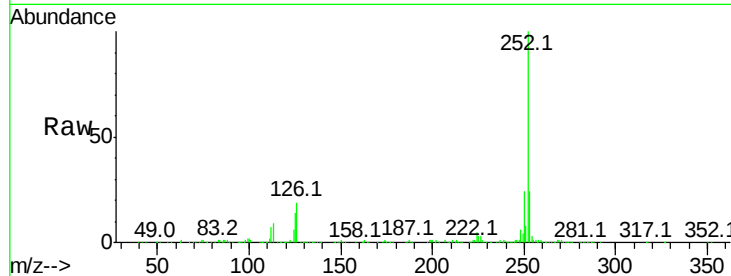
#88
Benzo(k)fluoranthene
Concen: 21.931 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	13.7	13.1	19.7

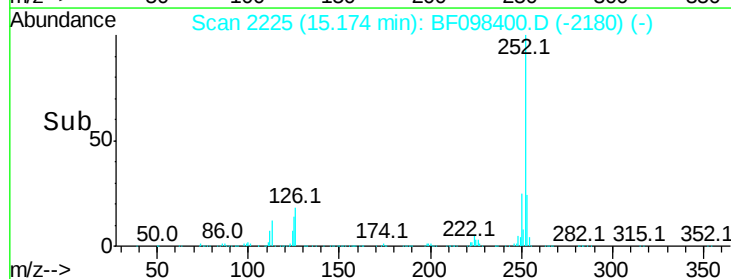
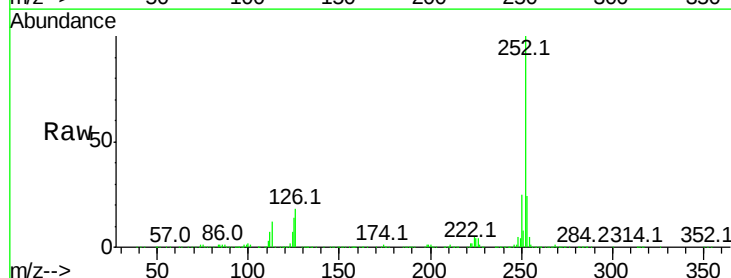
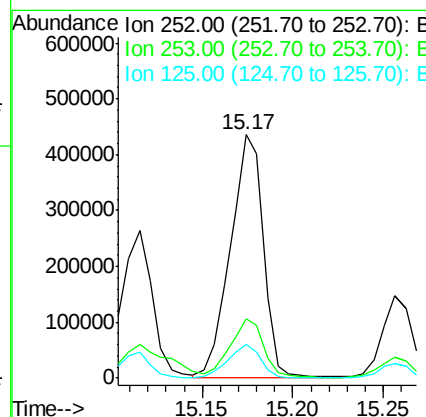
Manual Integrations
APPROVED

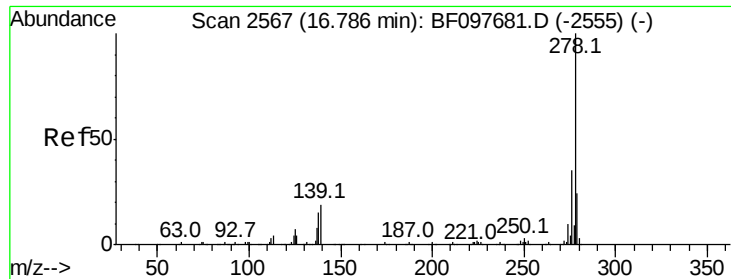
Sohil
9/11/2017 2:42:58 PM



#89
Benzo(a)pyrene
Concen: 52.474 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	13.8	11.0	16.4





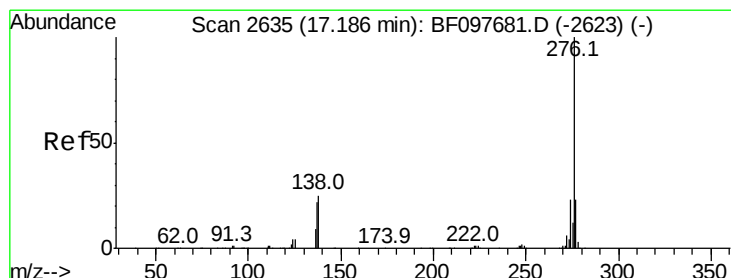
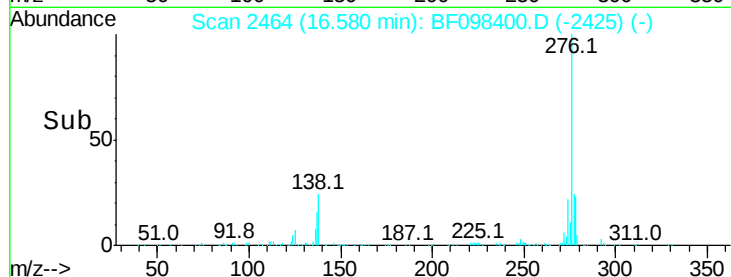
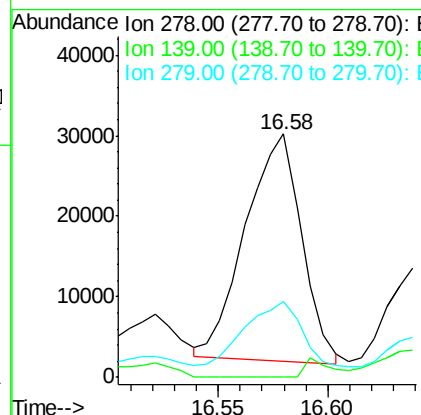
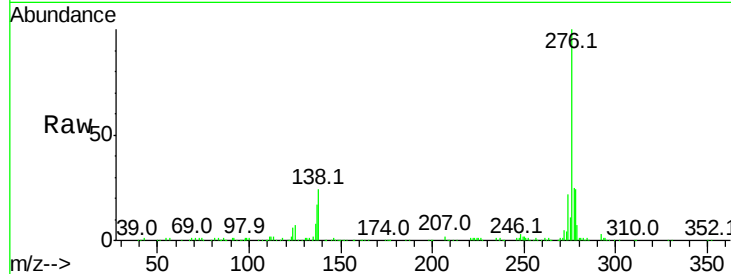
#90
Dibenzo(a,h)anthracene
Concen: 5.883 ng m
RT: 16.58 min Scan# 2464
Delta R.T. -0.07 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6

Tot Ion:278 Resp: 49769
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8#
279 31.2 19.3 28.9#

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:58 PM



#91
Benzo(g,h,i)perylene
Concen: 25.500 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.07 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion:276 Resp: 225103
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 28.4 25.4 38.0

