

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097660.D
 Acq On : 13 Aug 2017 7:20
 Operator : SJ/JU
 Sample : I4697-02DL 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-1BDL

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:36 PM

Quant Time: Aug 14 07:49:17 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	121216	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	502282	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	199403	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	274633	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	190294	20.00	ng	-0.01
86) Perylene-d12	20.12	264	185786	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	41077	5.39	ng	0.09
7) Phenol-d6	7.12	99	77688	8.21	ng	0.06
23) Nitrobenzene-d5	8.45	82	45239	5.65	ng	0.02
41) 2,4,6-Tribromophenol	13.66	330	7941	5.24	ng	0.00
44) 2-Fluorobiphenyl	11.30	172	69325	5.25	ng	-0.02
78) Terphenyl-d14	17.10	244	31754	3.45	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.56	128	180005	7.155	ng	98
37) 2-Methylnaphthalene	10.70	142	34470	2.178	ng	94
48) Acenaphthylene	12.13	152	129034	6.179	ng	97
51) Acenaphthene	12.40	154	74170	5.927	ng	98
54) Dibenzofuran	12.70	168	122767	7.007	ng	97
57) Fluorene	13.24	166	135804	9.426	ng	97
70) Phenanthrene	14.79	178	787868	49.809	ng	99
71) Anthracene	14.87	178	322865	19.950	ng	100
72) Carbazole	15.18	167	48127	3.124	ng	98
74) Fluoranthene	16.56	202	839052	58.703	ng	98
77) Pyrene	16.86	202	693364	44.061	ng	96
80) Benzo(a)anthracene	18.44	228	344814m	31.025	ng	
82) Chrysene	18.48	228	295731	26.752	ng	98
85) Indeno(1,2,3-cd)pyrene	21.33	276	136344	15.858	ng	95
87) Benzo(b)fluoranthene	19.72	252	355656m	31.880	ng	
88) Benzo(k)fluoranthene	19.74	252	117983m	10.501	ng	
89) Benzo(a)pyrene	20.06	252	280534	27.397	ng	96
90) Dibenzo(a,h)anthracene	21.33	278	33677	4.593	ng	# 76
91) Benzo(a,h,i)perylene	21.69	276	118805	14.772	ng	96

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

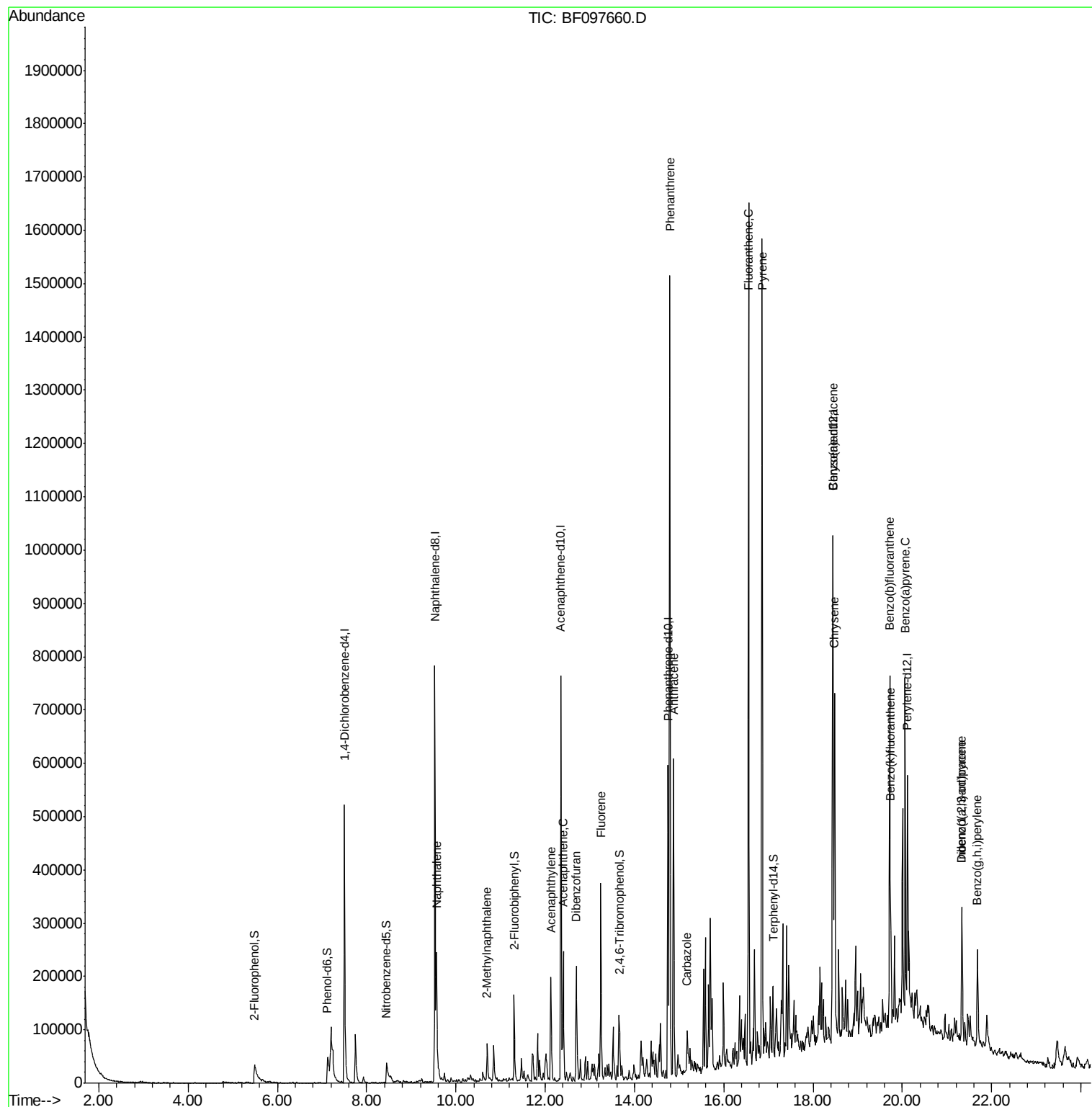
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
Data File : BF097660.D
Acq On : 13 Aug 2017 7:20
Operator : SJ/JU
Sample : I4697-02DL 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

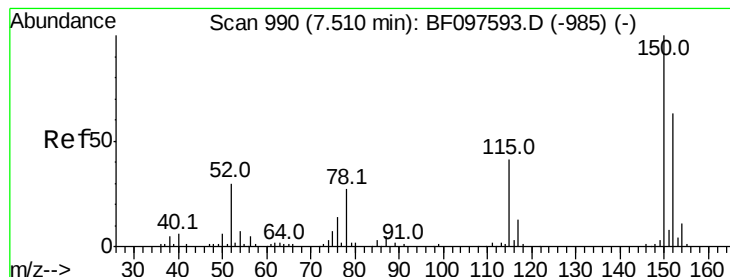
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:36 PM

Quant Time: Aug 14 07:49:17 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





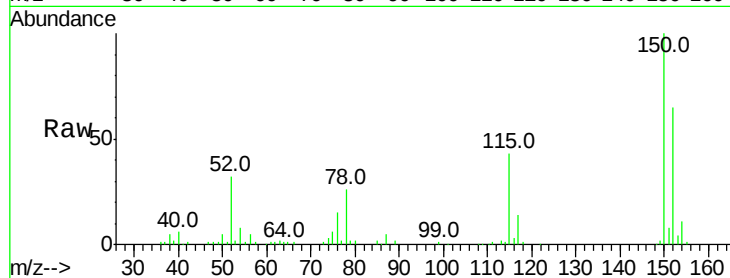
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.50 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.2	189.2
115	65.9	52.2	78.2

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:36 PM

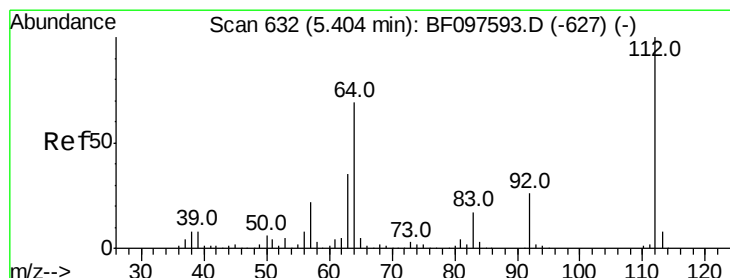
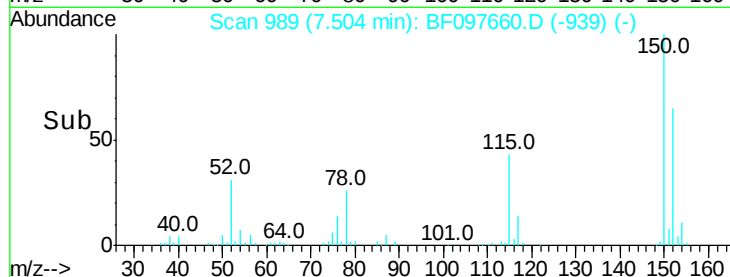
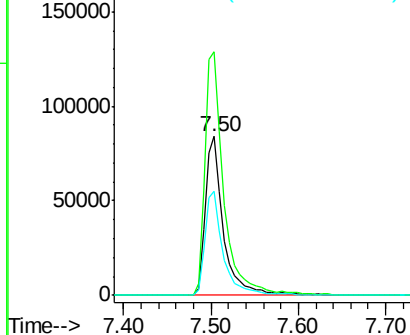


Abundance

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: 5.386 ng
 RT: 5.49 min Scan# 647
 Delta R.T. 0.09 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

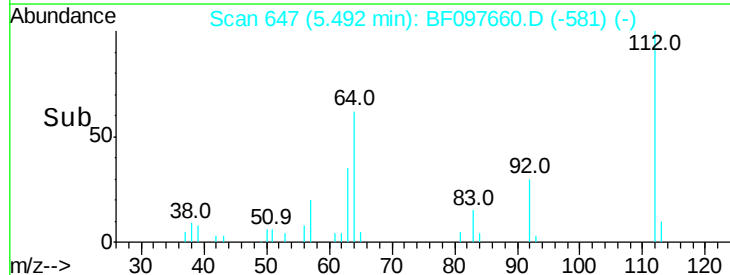
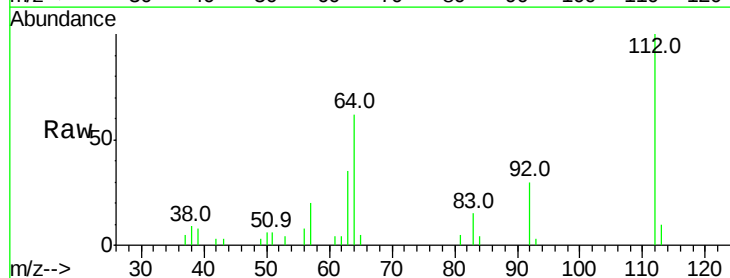
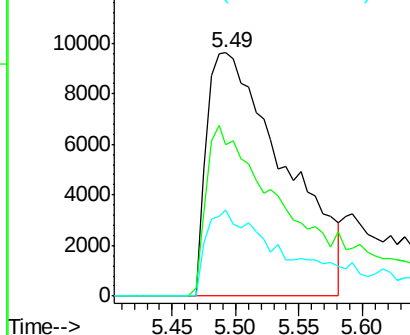
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	46.0	69.0
63	35.3	23.4	35.0#

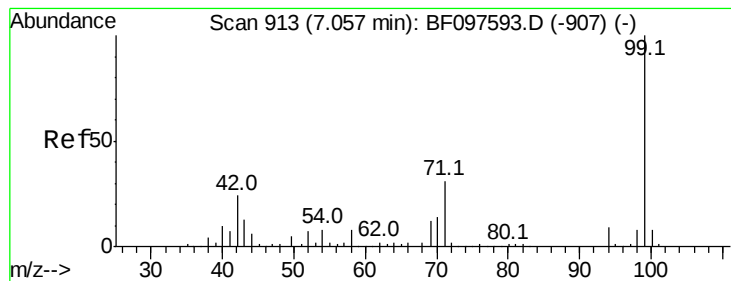
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.212 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.06 min

Lab File: BF097660.D

Acq: 13 Aug 2017 7:20

Instrument :

BNA_F

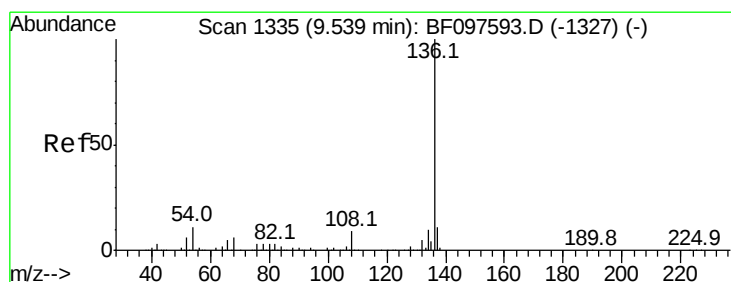
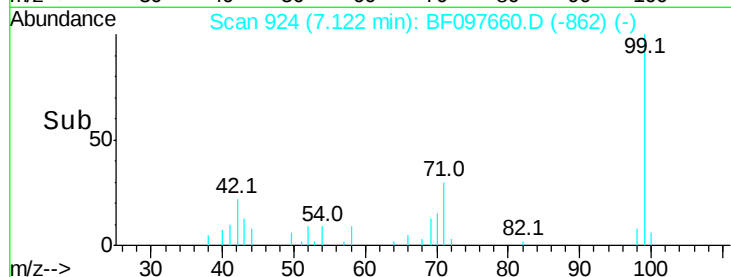
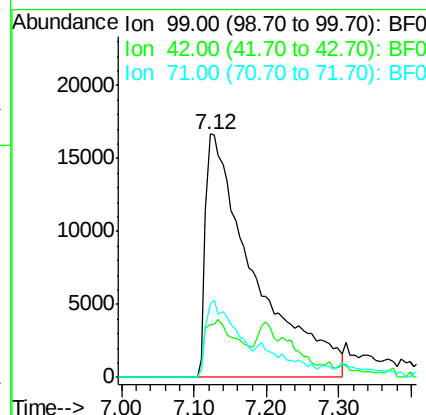
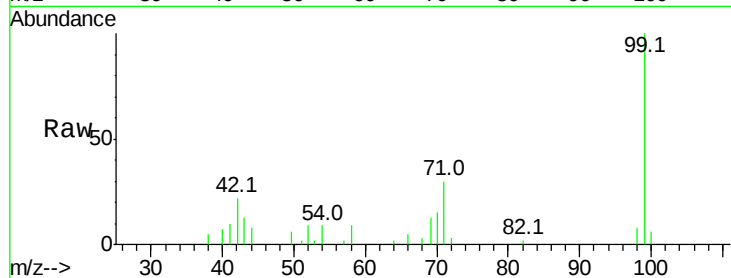
ClientSampleId :

NYSEG-PH4-ESMI-1BDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		77688		
42	21.8	13.5	20.3#		
71	30.3	24.5	36.7		

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:36 PM



#21

Naphthalene-d8

Concen: 20.000 ng

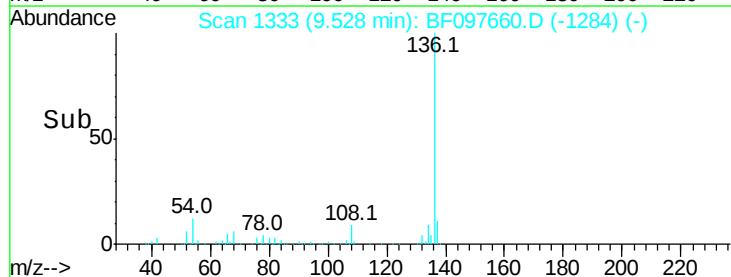
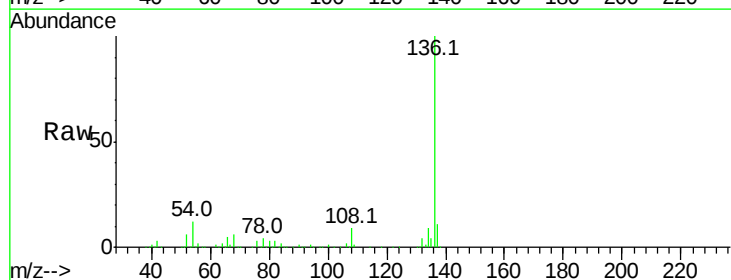
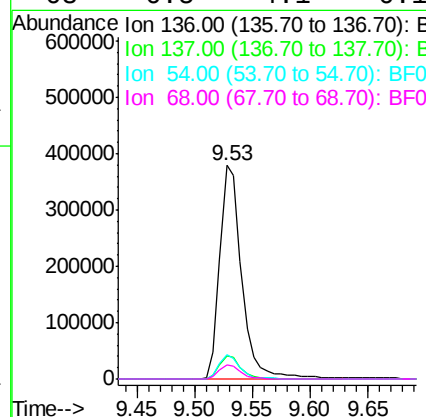
RT: 9.53 min Scan# 1333

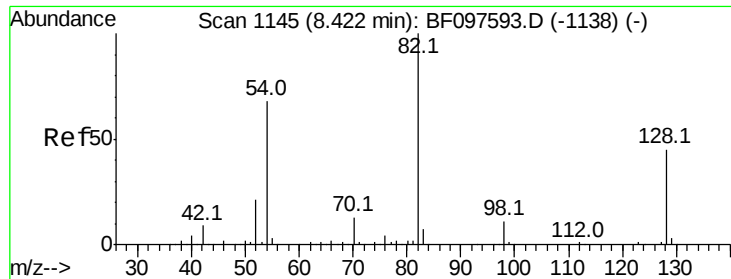
Delta R.T. -0.01 min

Lab File: BF097660.D

Acq: 13 Aug 2017 7:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		502282		
137	10.9	8.5	12.7		
54	11.6	4.9	7.3#		
68	6.5	4.1	6.1#		





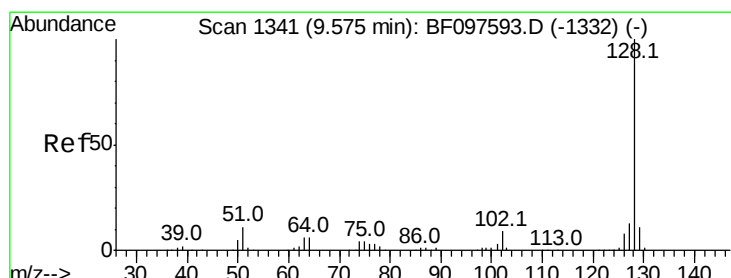
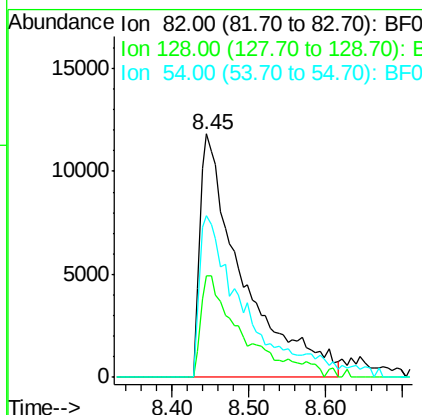
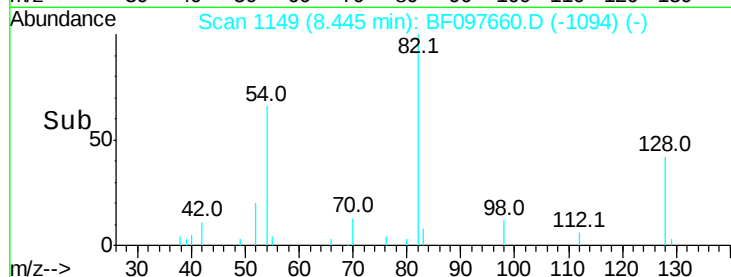
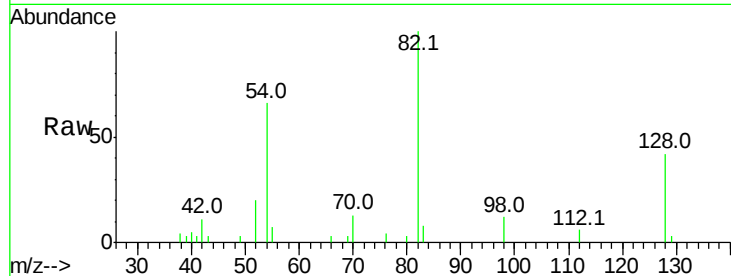
#23
 Nitrobenzene-d5
 Concen: 5.648 ng
 RT: 8.45 min Scan# 1149
 Delta R.T. 0.02 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.0	51.0
54	66.2	42.2	63.2#

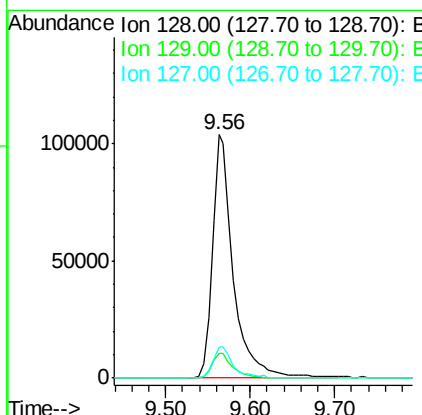
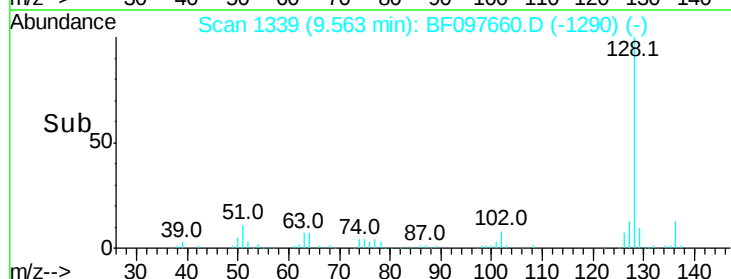
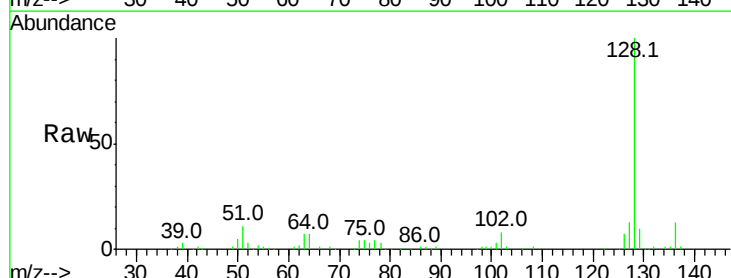
Manual Integrations
 APPROVED

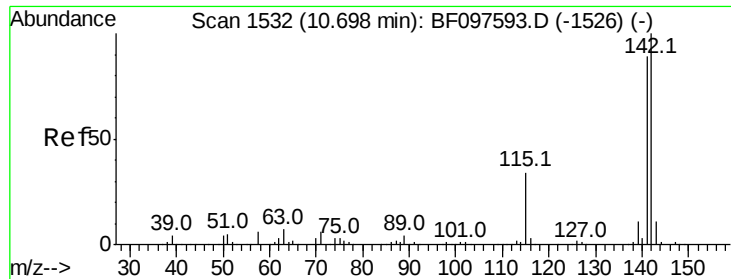
sohil
 8/14/2017 7:07:36 PM



#31
 Naphthalene
 Concen: 7.155 ng
 RT: 9.56 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	9.0	13.6
127	12.9	10.8	16.2





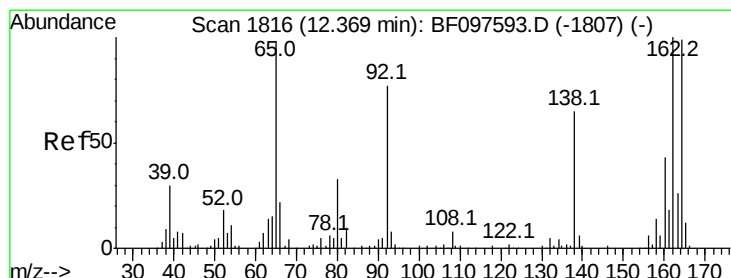
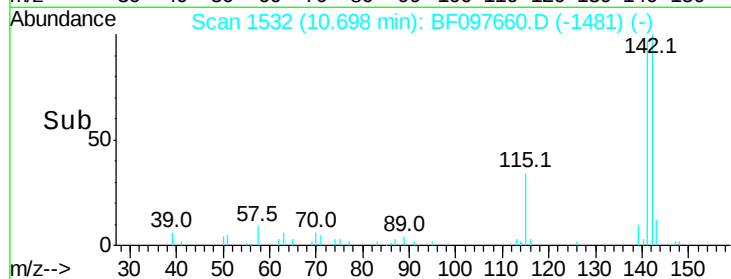
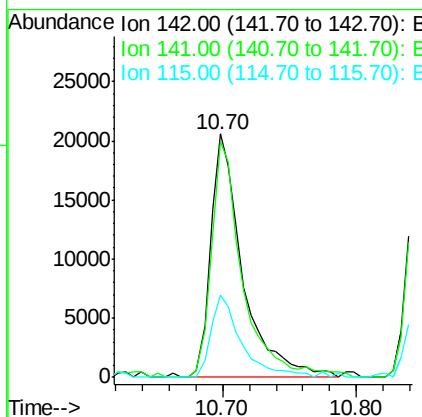
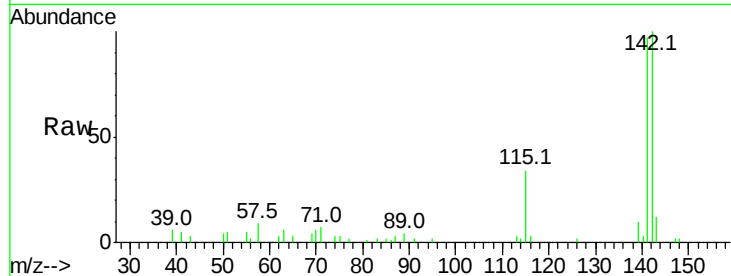
#37
2-Methylnaphthalene
Concen: 2.178 ng
RT: 10.70 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.7	71.3	106.9
115	34.0	27.1	40.7

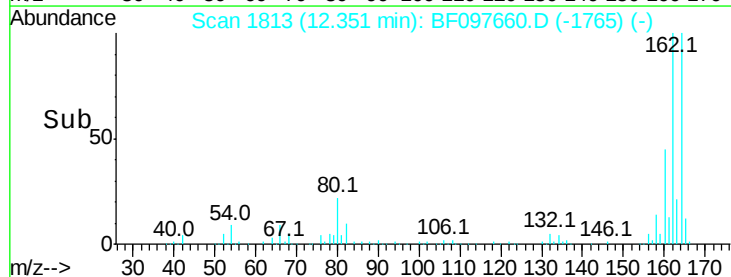
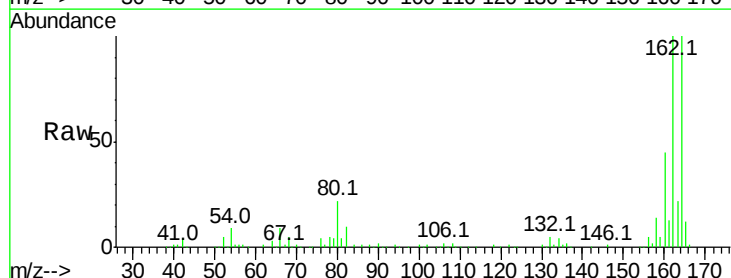
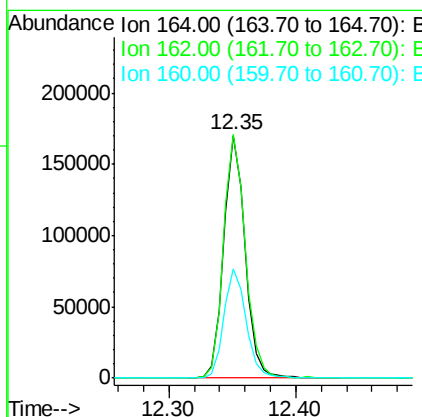
Manual Integrations
APPROVED

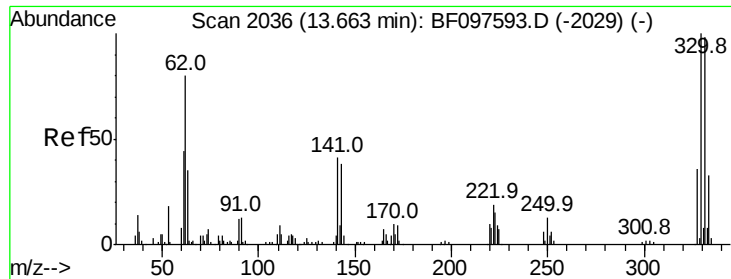
sohil
8/14/2017 7:07:36 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.35 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.6	123.8
160	45.1	36.2	54.2





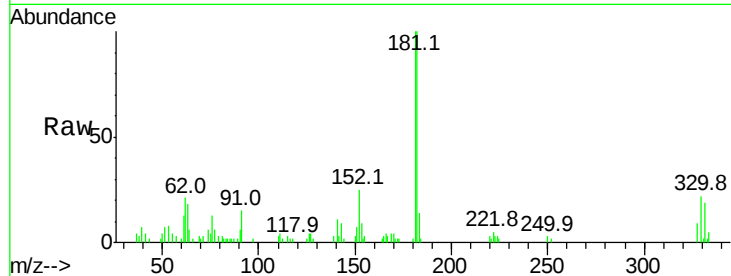
#41
 2,4,6-Tribromophenol
 Concen: 5.239 ng
 RT: 13.66 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-1BDL

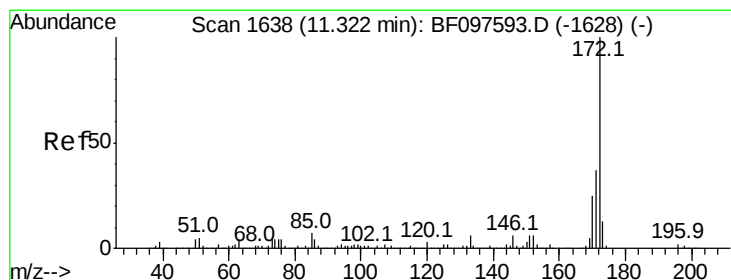
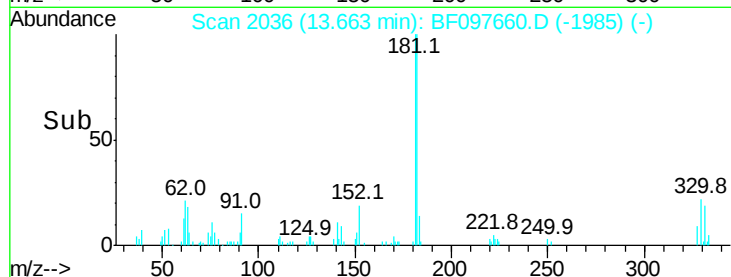
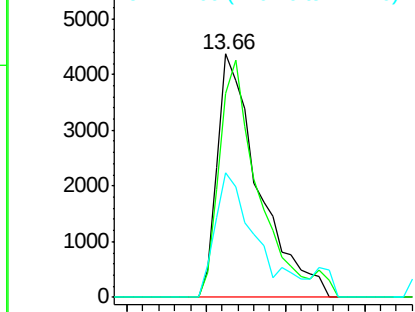
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.4	76.6	115.0
141	50.2	31.4	47.2

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:36 PM

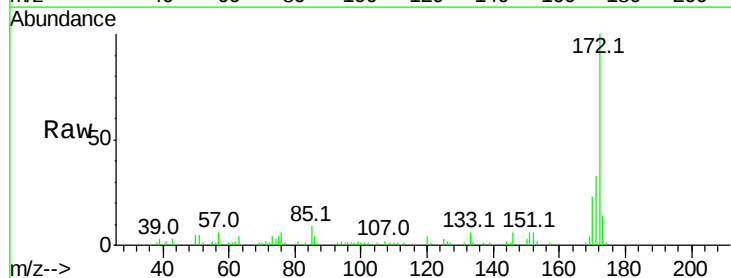


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

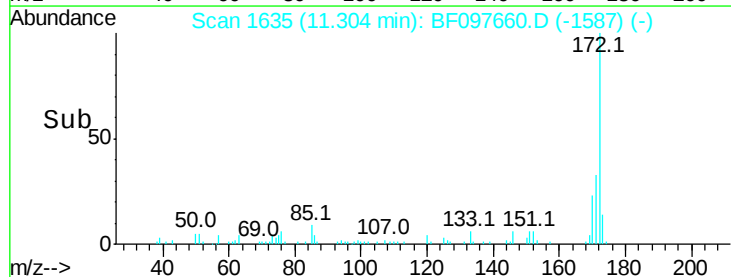
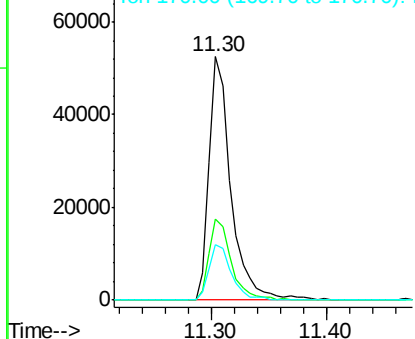


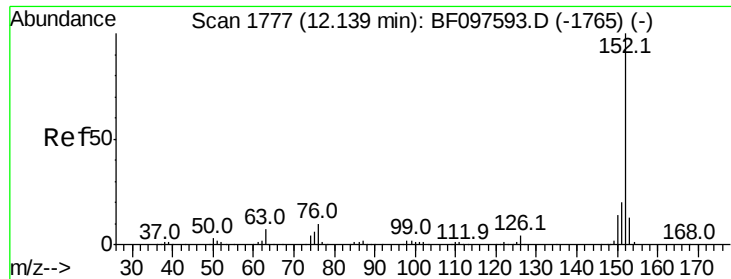
#44
 2-Fluorobiphenyl
 Concen: 5.247 ng
 RT: 11.30 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.6	44.4
170	22.9	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





#48

Acenaphthylene

Concen: 6.179 ng

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF097660.D

Acq: 13 Aug 2017 7:20

Instrument :

BNA_F

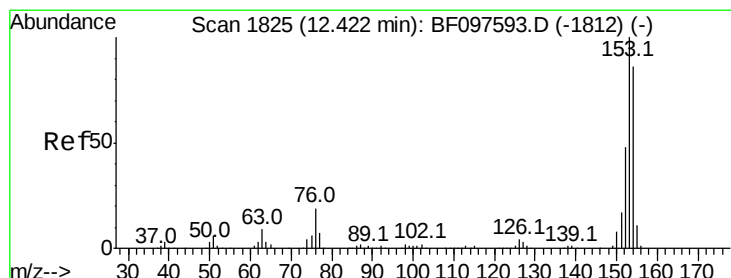
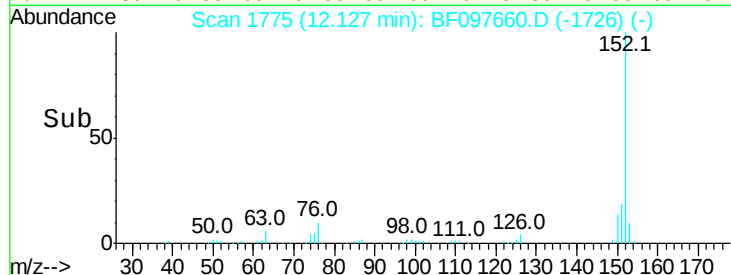
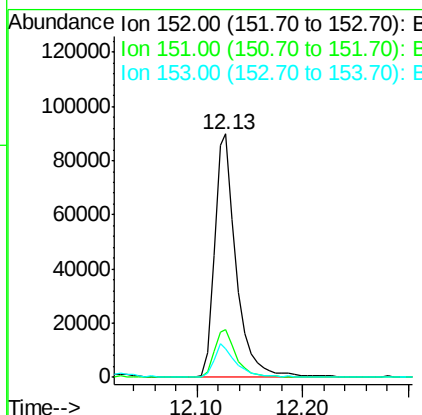
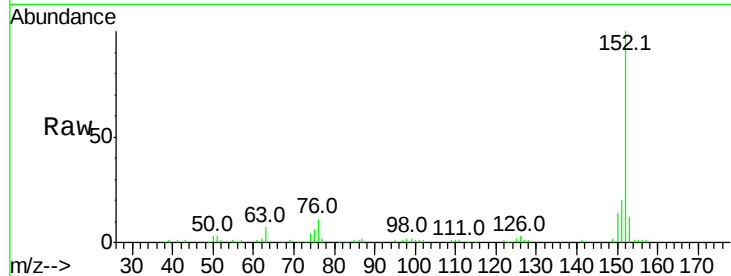
ClientSampleId :

NYSEG-PH4-ESMI-1BDL

Tot Ion:	152	Resp:	129034
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.8	25.2
153	11.8	10.8	16.2

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:36 PM



#51

Acenaphthene

Concen: 5.927 ng

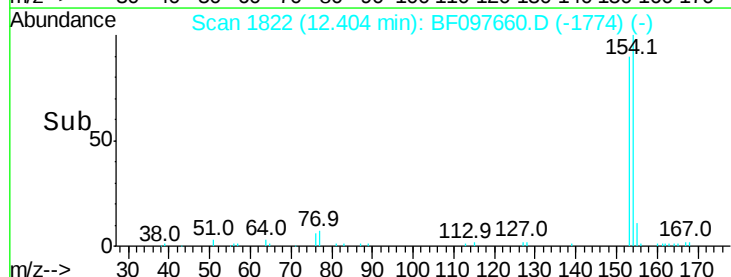
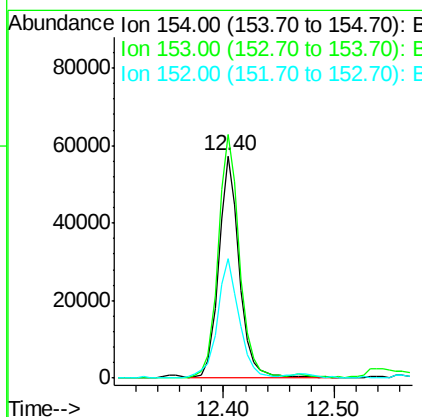
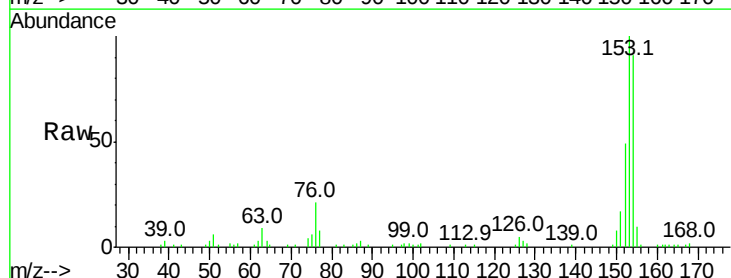
RT: 12.40 min Scan# 1822

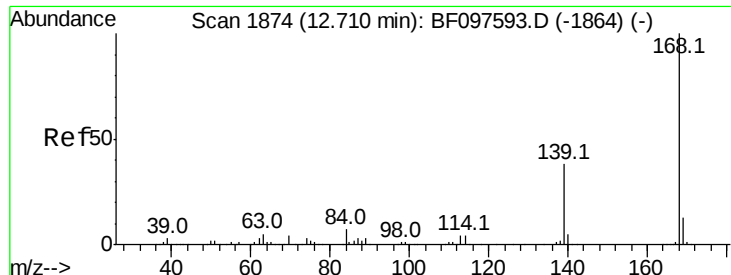
Delta R.T. -0.02 min

Lab File: BF097660.D

Acq: 13 Aug 2017 7:20

Tgt Ion:	154	Resp:	74170
Ion Ratio	Lower	Upper	
154	100		
153	109.7	90.5	135.7
152	54.0	43.6	65.4





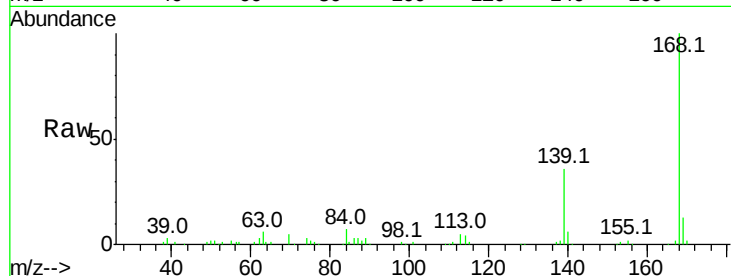
#54
Dibenzenofuran
Concen: 7.007 ng
RT: 12.70 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	122767		
139	36.1	30.6	45.8	
169	13.3	10.8	16.2	

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:36 PM

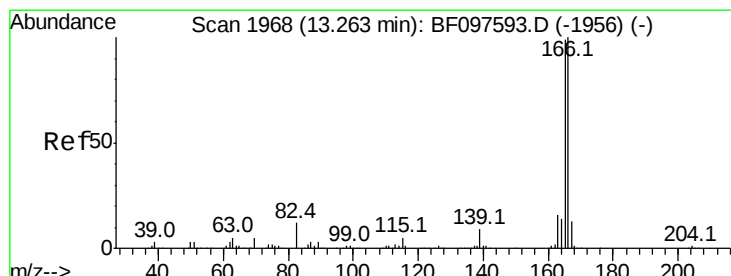
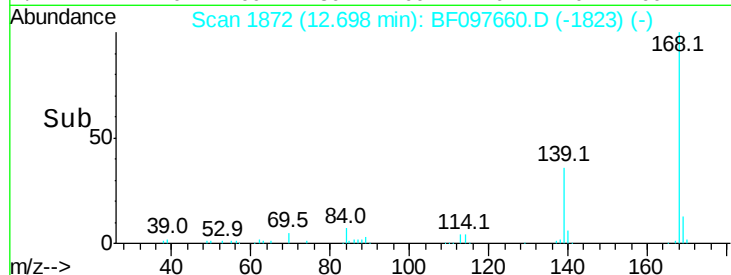
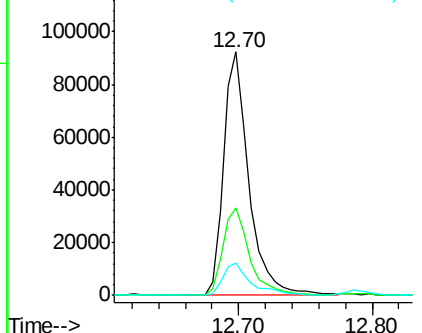


Abundance

Ion 168.00 (167.70 to 168.70): E

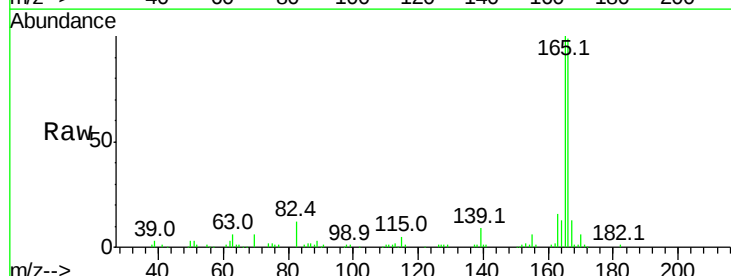
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 9.426 ng
RT: 13.24 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	135804		
165	101.3	78.8	118.2	
167	13.4	10.6	16.0	

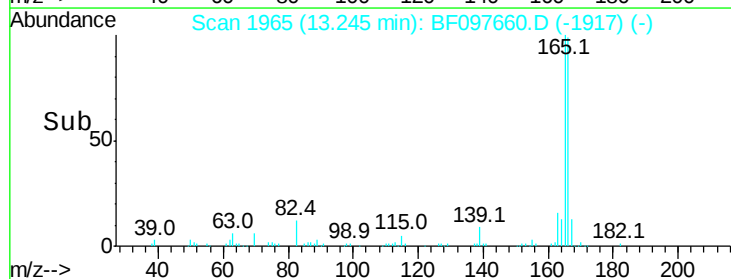
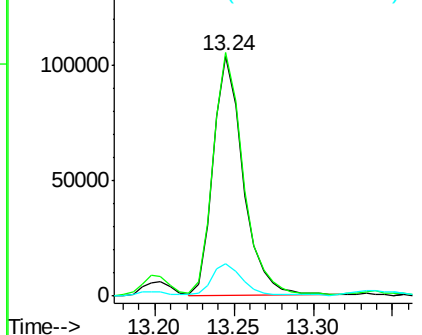


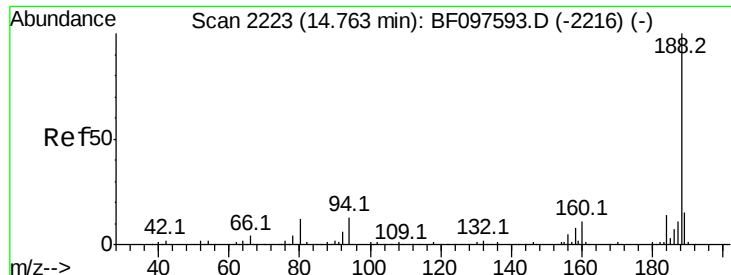
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





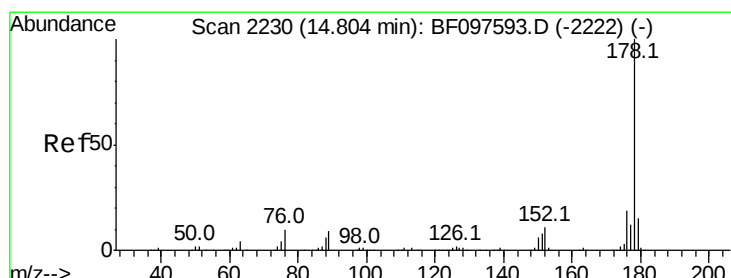
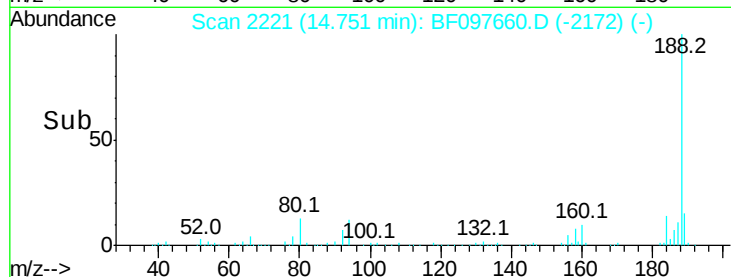
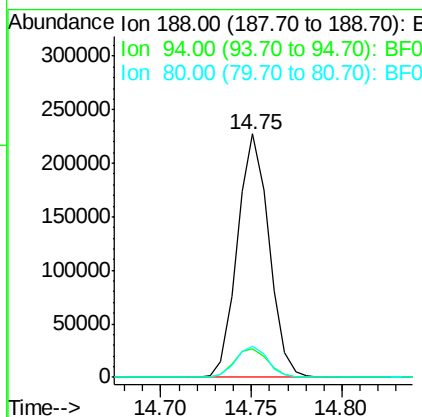
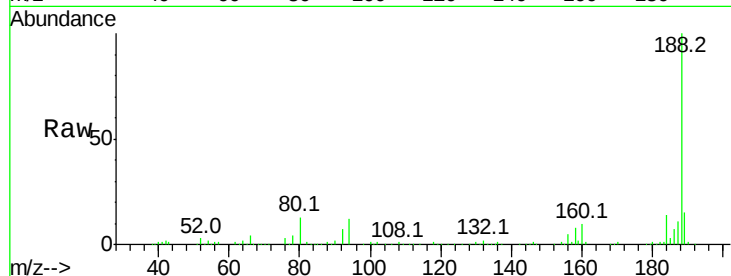
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	274633		
94	11.9		9.4	14.2
80	12.6		10.2	15.2

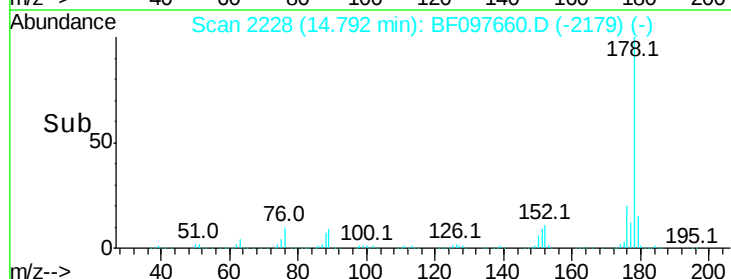
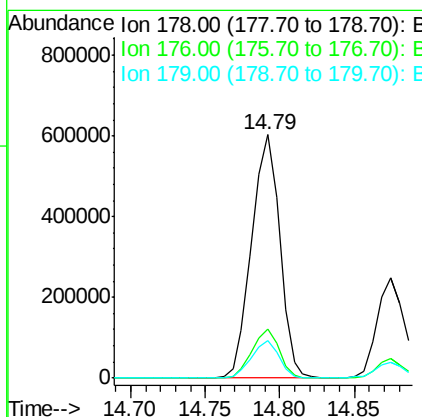
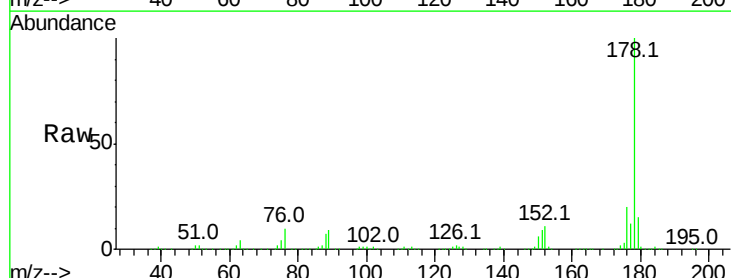
Manual Integrations
APPROVED

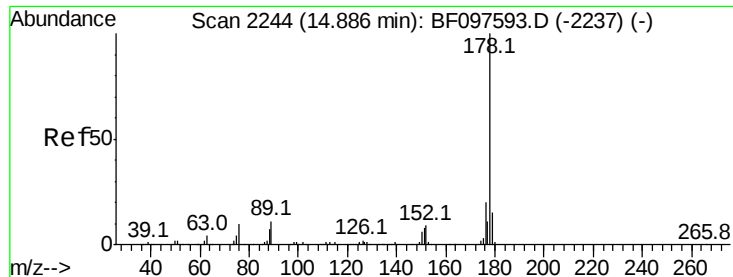
sohil
8/14/2017 7:07:36 PM



#70
Phenanthrene
Concen: 49.809 ng
RT: 14.79 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	787868		
176	20.1		16.2	24.4
179	15.3		12.6	19.0





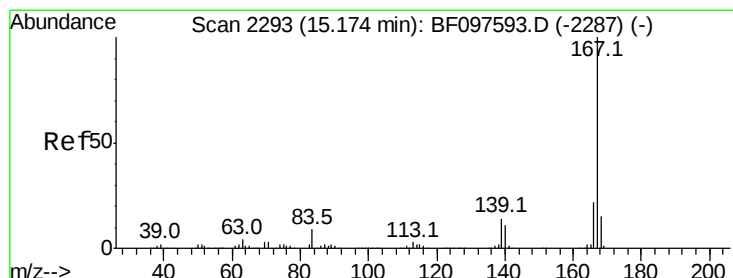
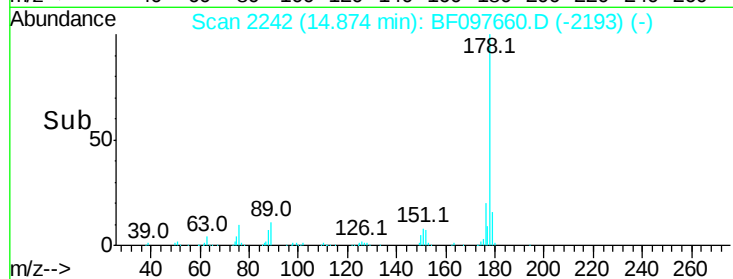
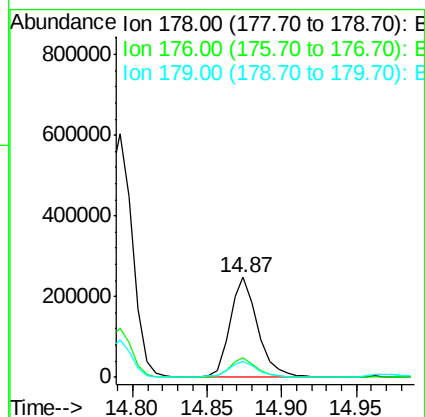
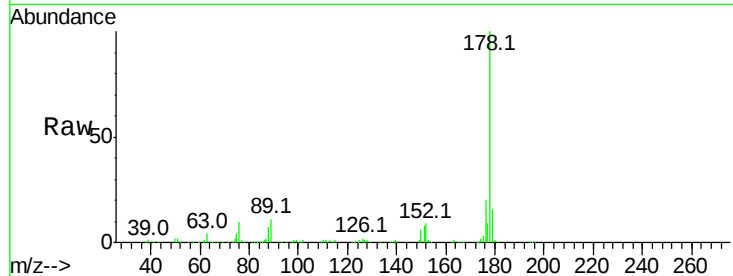
#71
 Anthracene
 Concen: 19.950 ng
 RT: 14.87 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-1BDL

Tot Ion:178	Resp:	322865
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.8 23.8
179	15.8	12.7 19.1

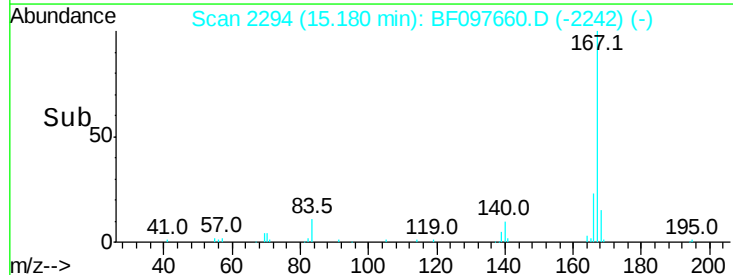
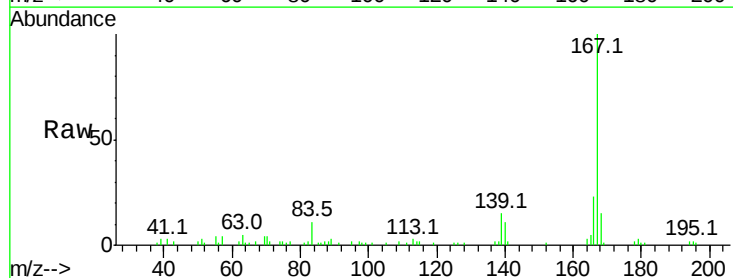
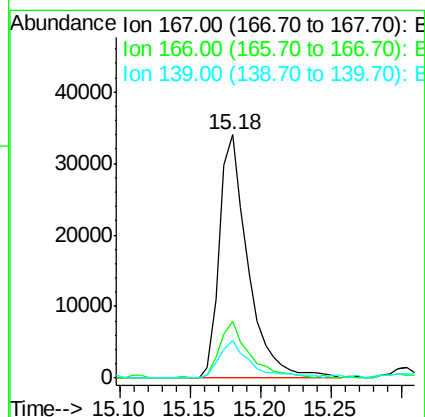
Manual Integrations
 APPROVED

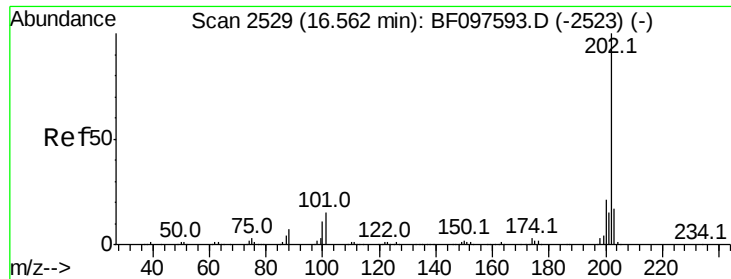
sohil
 8/14/2017 7:07:36 PM



#72
 Carbazole
 Concen: 3.124 ng
 RT: 15.18 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Tgt Ion:167	Resp:	48127
Ion Ratio	Lower	Upper
167	100	
166	23.4	18.1 27.1
139	15.5	11.7 17.5





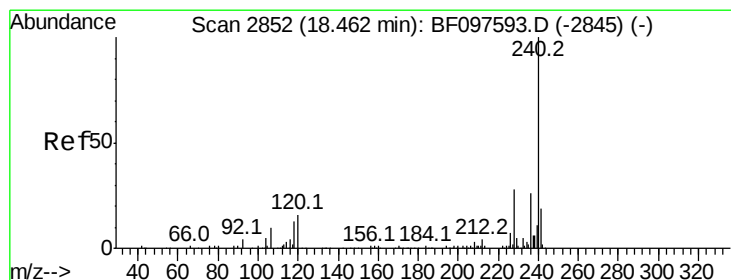
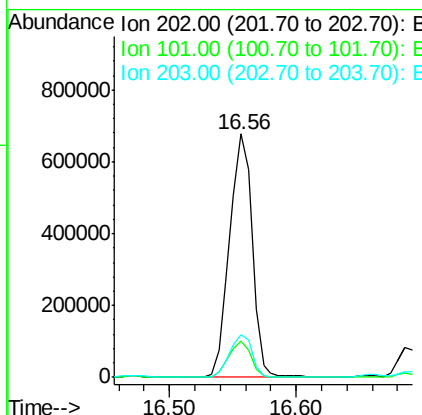
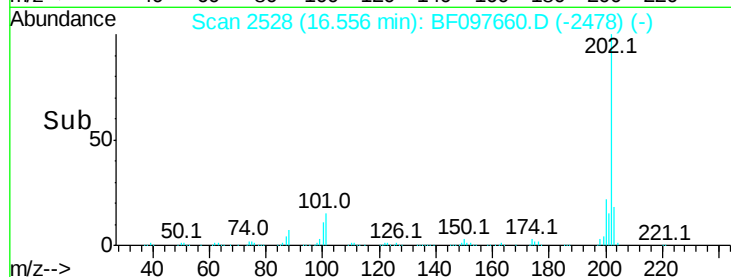
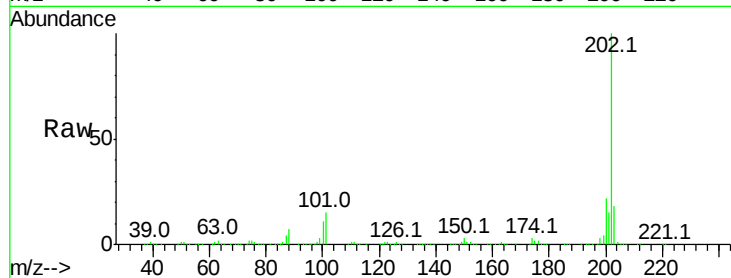
#74
Fluoranthene
Concen: 58.703 ng
RT: 16.56 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	839052		
101	14.9	0.0	33.2	
203	17.6	0.0	38.1	

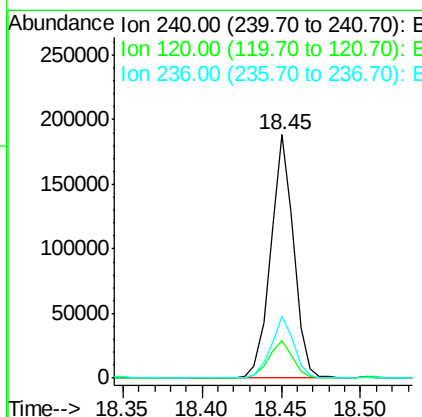
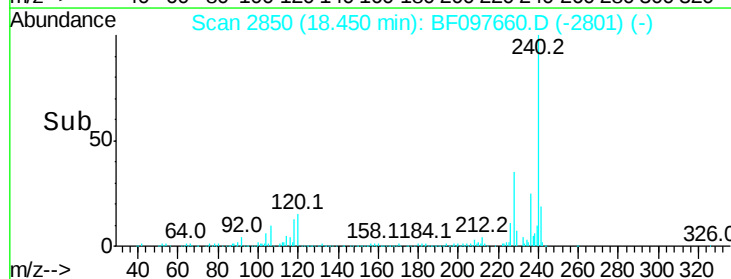
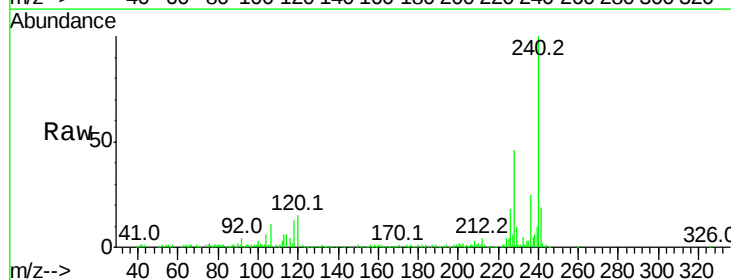
Manual Integrations
APPROVED

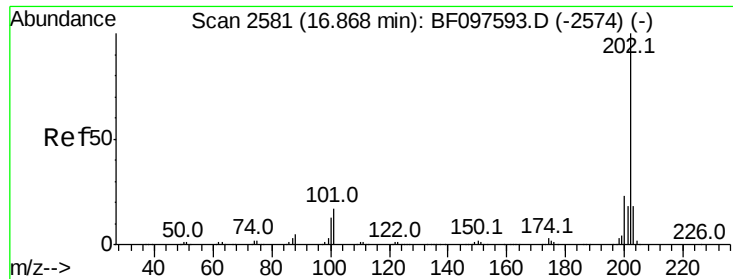
sohil
8/14/2017 7:07:36 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.45 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	190294		
120	15.2	5.8	8.8#	
236	25.5	20.5	30.7	





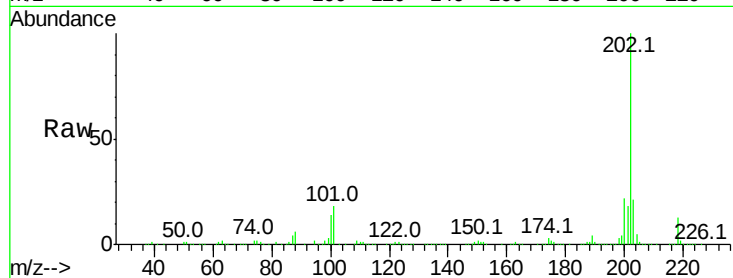
#77
Pvrene
Concen: 44.061 ng
RT: 16.86 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

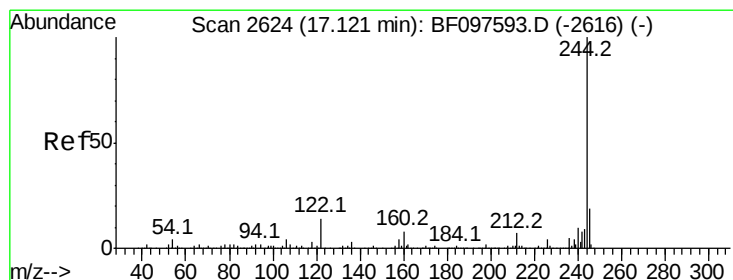
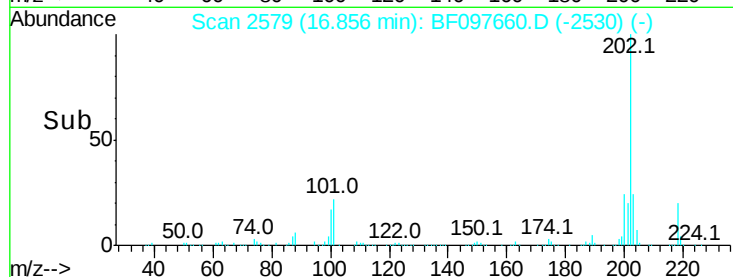
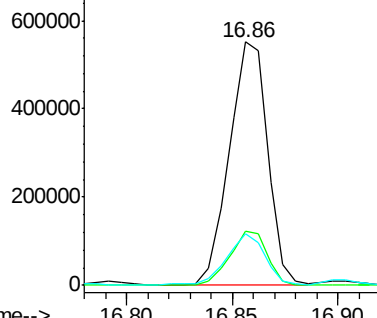
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.3	17.6	26.4
203	21.1	14.4	21.6

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:36 PM



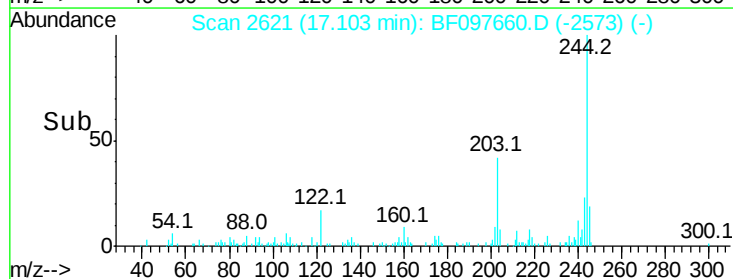
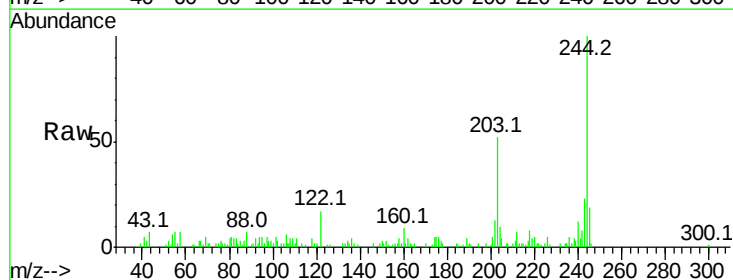
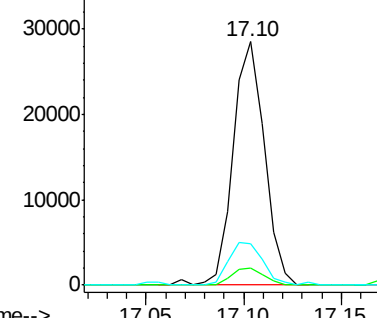
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

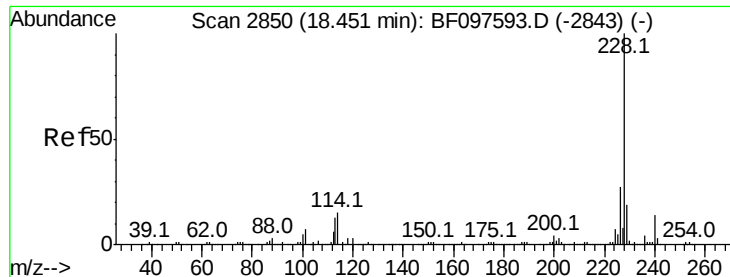


#78
Terphenyl-d14
Concen: 3.454 ng
RT: 17.10 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	17.2	10.3	15.5#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





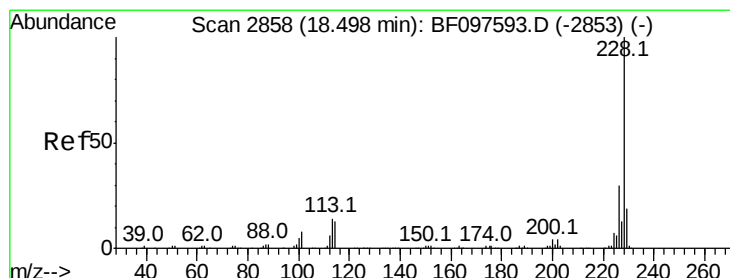
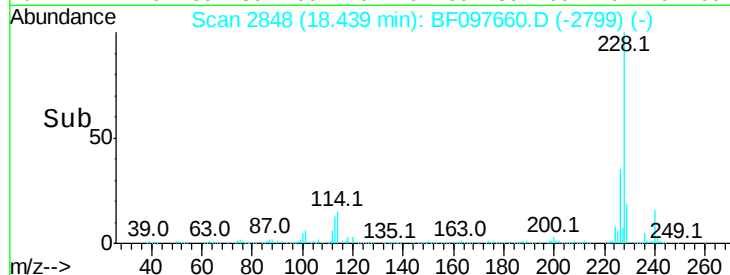
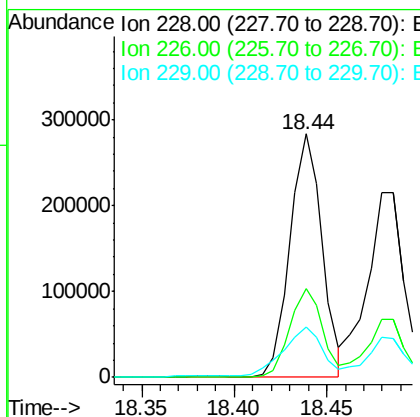
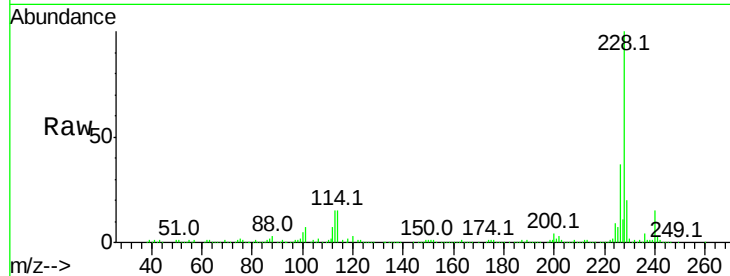
#80
Benzo(a)anthracene
Concen: 31.025 ng m
RT: 18.44 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.5	22.6	33.8
229	20.5	16.3	24.5

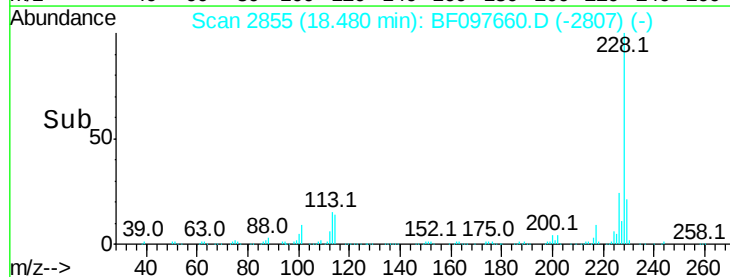
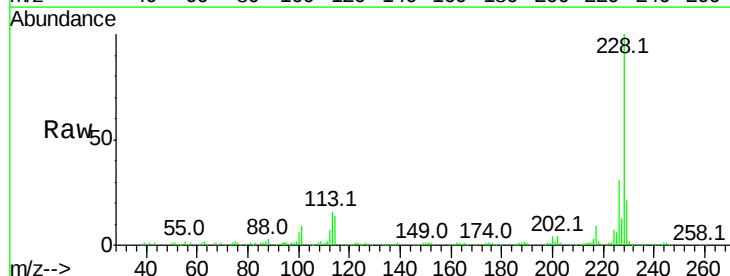
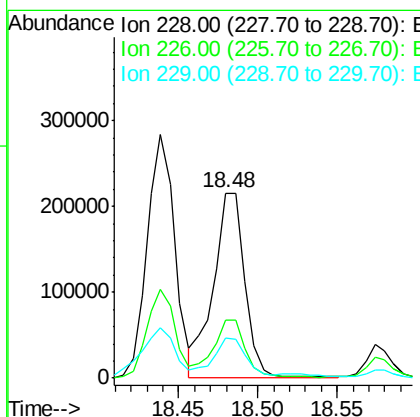
Manual Integrations
APPROVED

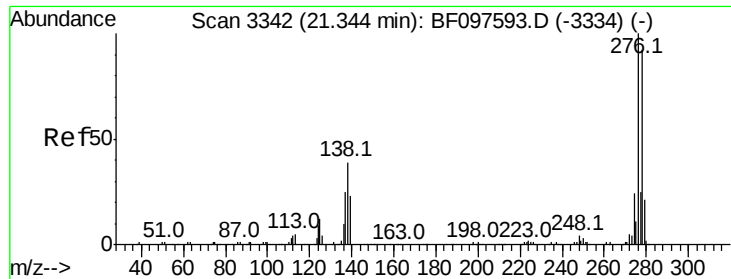
sohil
8/14/2017 7:07:36 PM



#82
Chrysene
Concen: 26.752 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	21.4	15.8	23.6





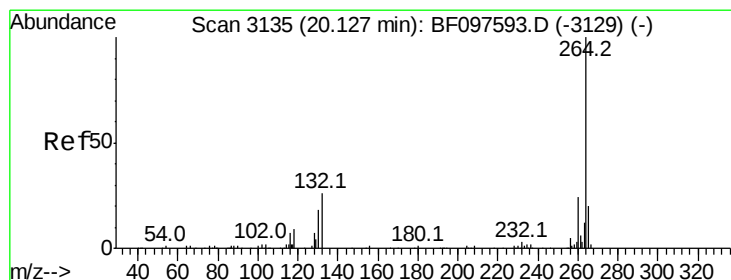
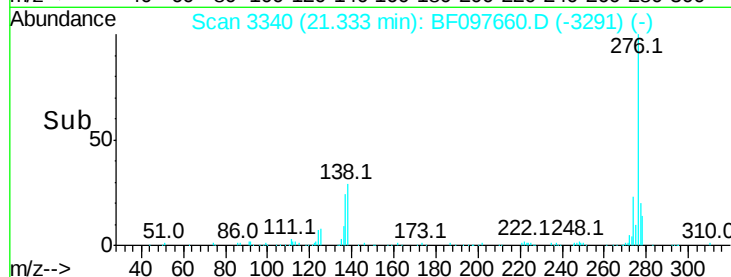
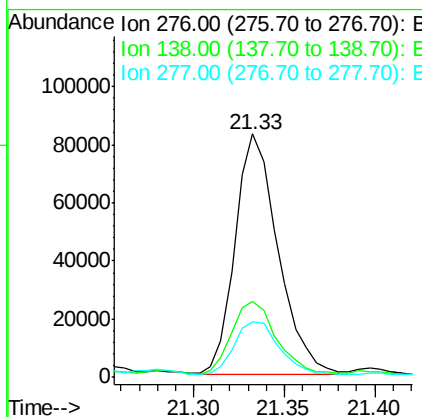
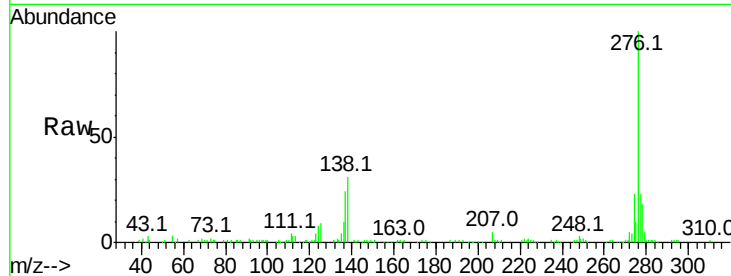
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.858 ng
RT: 21.33 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.5	27.8	41.6
277	23.6	20.2	30.4

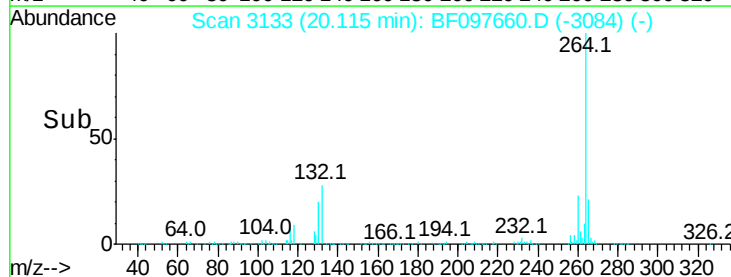
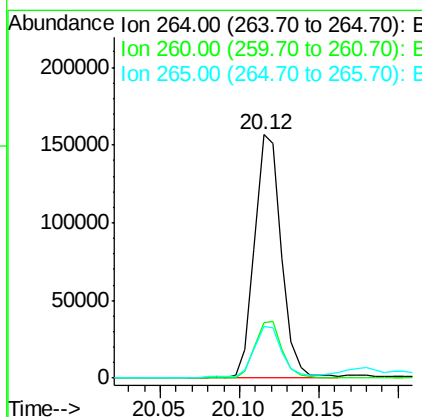
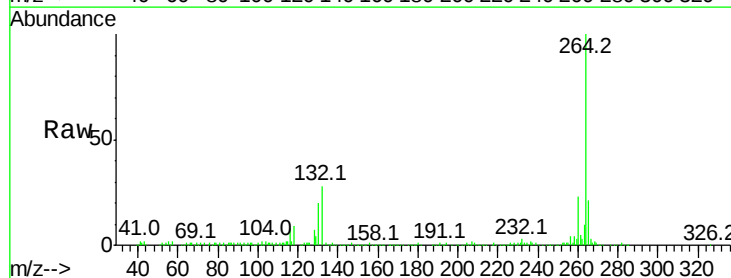
Manual Integrations
APPROVED

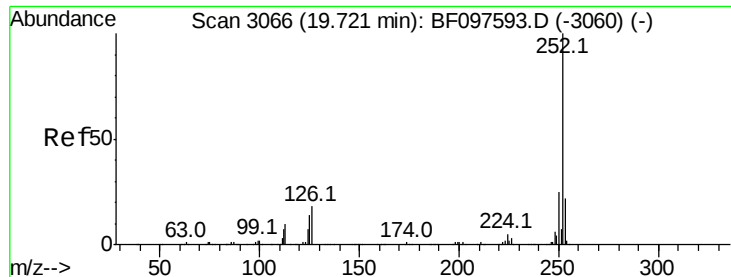
sohil
8/14/2017 7:07:36 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 20.12 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 31.880 ng m

RT: 19.72 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BF097660.D

Acq: 13 Aug 2017 7:20

Instrument :

BNA_F

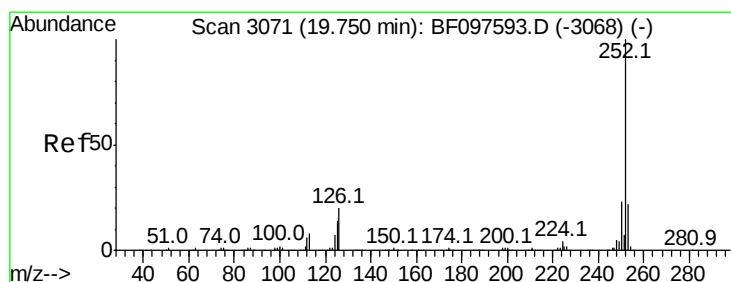
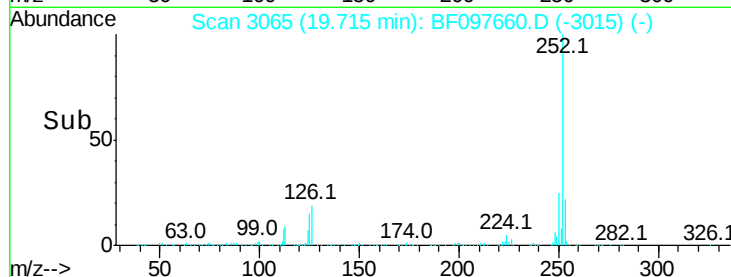
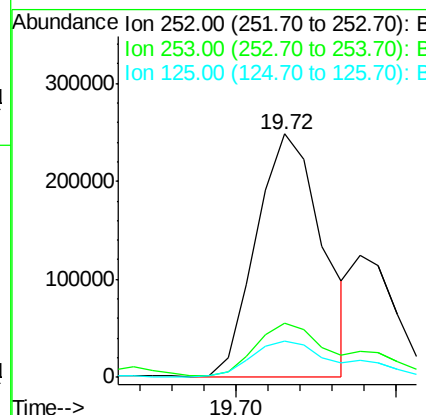
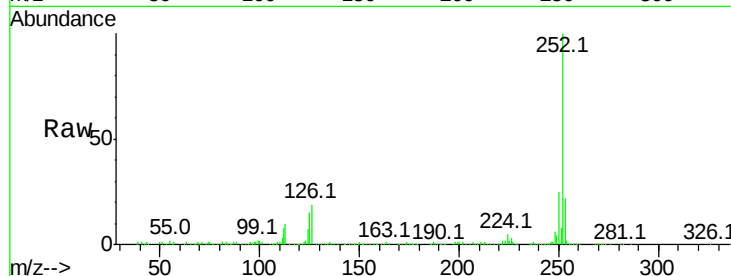
ClientSampleId :

NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.9	9.8	14.8

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:36 PM



#88

Benzo(k)fluoranthene

Concen: 10.501 ng m

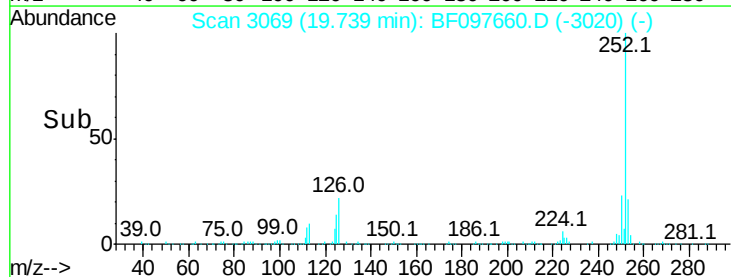
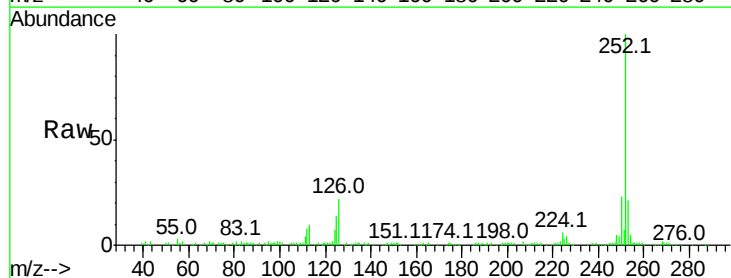
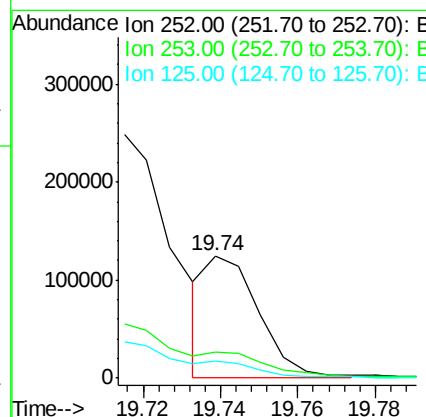
RT: 19.74 min Scan# 3069

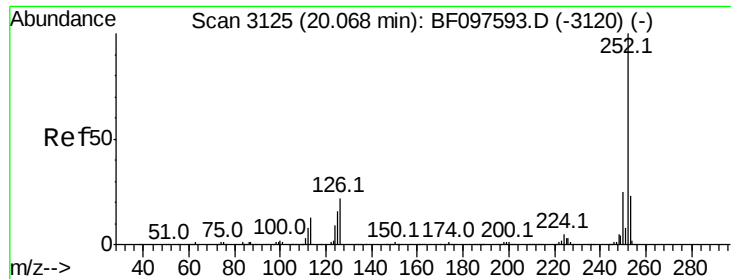
Delta R.T. -0.01 min

Lab File: BF097660.D

Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.4	27.6
125	14.0	13.1	19.7





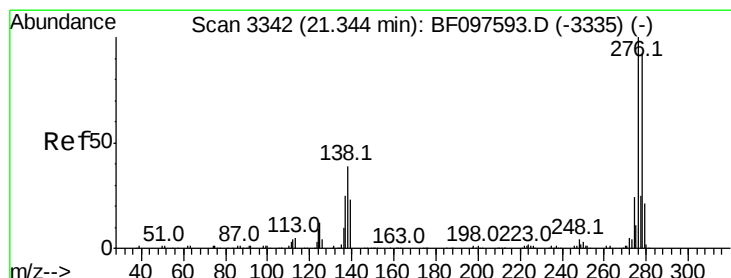
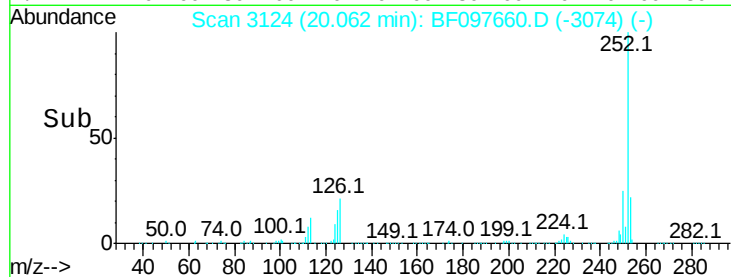
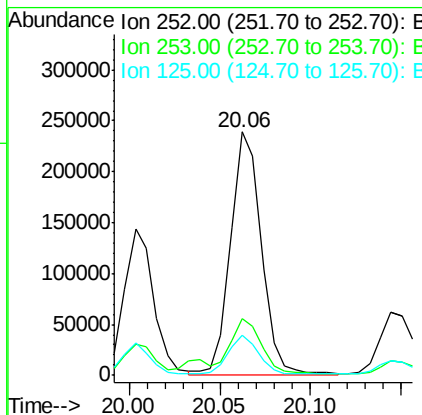
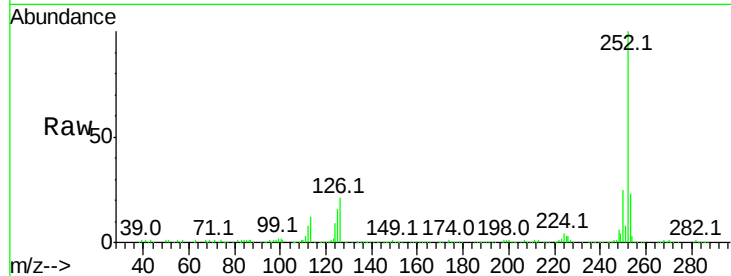
#89
Benzo(a)pyrene
Concen: 27.397 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-1BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	16.4	11.0	16.4

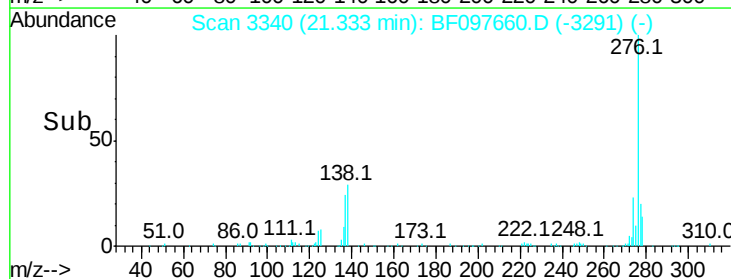
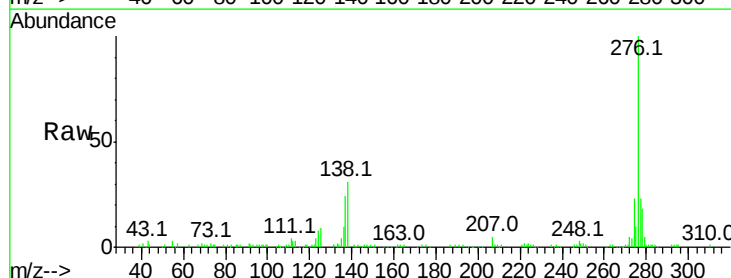
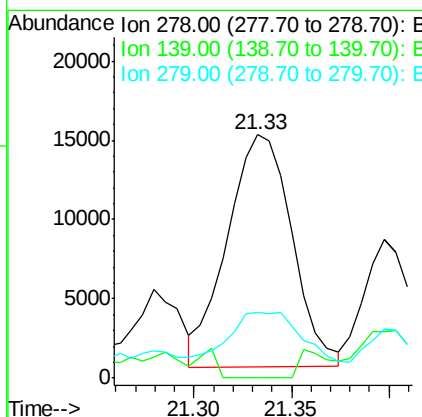
Manual Integrations
APPROVED

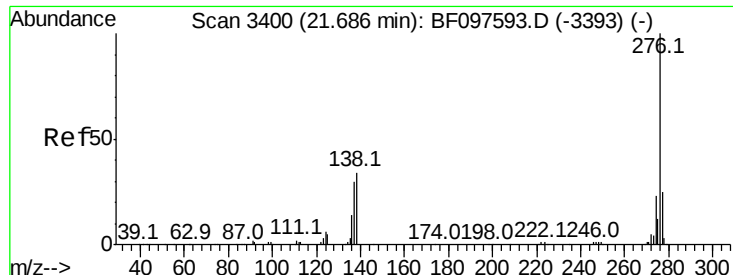
sohil
8/14/2017 7:07:36 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.593 ng
RT: 21.33 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BF097660.D
Acq: 13 Aug 2017 7:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 14.772 ng
 RT: 21.69 min Scan# 3400
 Delta R.T. 0.00 min
 Lab File: BF097660.D
 Acq: 13 Aug 2017 7:20

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-1BDL

Tot Ion:	276	Resp:	118805
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	28.0
138	33.7	25.4	38.0

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:36 PM

