

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097656.D
 Acq On : 13 Aug 2017 5:08
 Operator : SJ/JU
 Sample : I4697-10DL 250X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:05 PM

Quant Time: Aug 14 07:36:21 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	118316	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	488237	20.00	ng	0.00
38) Acenaphthene-d10	12.35	164	160509	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	234241	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	180835	20.00	ng	-0.01
86) Perylene-d12	20.11	264	167882	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	8.64	82	110	0.01	ng	0.22
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.32	172	2539	0.24	ng	0.00
78) Terphenyl-d14	17.10	244	1437	0.16	ng	-0.02

Target Compounds

						Qvalue
31) Naphthalene	9.56	128	457313	18.700	ng	98
37) 2-Methylnaphthalene	10.69	142	124681	8.103	ng	97
45) 1,1'-Biphenyl	11.46	154	31389	2.279	ng	92
51) Acenaphthene	12.40	154	107626	10.684	ng	100
54) Dibenzofuran	12.70	168	103018	7.305	ng	96
57) Fluorene	13.24	166	111522	9.616	ng	98
70) Phenanthrene	14.79	178	371478	27.535	ng	98
71) Anthracene	14.87	178	141264	10.234	ng	99
74) Fluoranthene	16.56	202	218099	17.890	ng	98
77) Pyrene	16.86	202	167611	11.208	ng	97
80) Benzo(a)anthracene	18.44	228	80938m	7.663	ng	
82) Chrysene	18.48	228	67642	6.439	ng	96
85) Indeno(1,2,3-cd)pyrene	21.35	276	27892	3.414	ng	97
87) Benzo(b)fluoranthene	19.71	252	68355m	6.781	ng	
88) Benzo(k)fluoranthene	19.74	252	29416m	2.897	ng	
89) Benzo(a)pyrene	20.07	252	59906	6.474	ng	96
91) Benzo(a,h,i)perylene	21.70	276	25055	3.447	ng	96

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

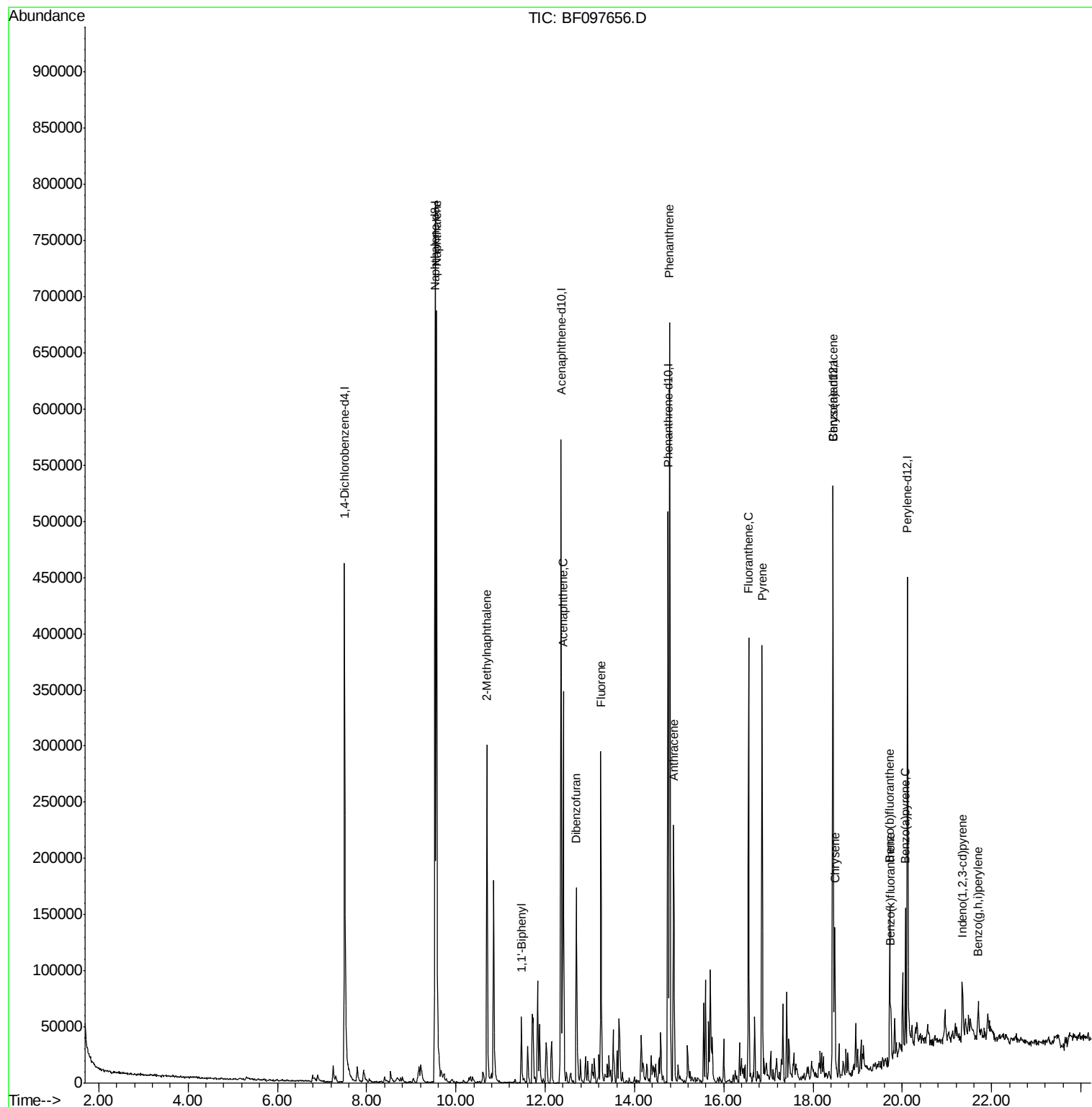
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
Data File : BF097656.D
Acq On : 13 Aug 2017 5:08
Operator : SJ/JU
Sample : I4697-10DL 250X
Misc :
ALS Vial : 23 Sample Multiplier: 1

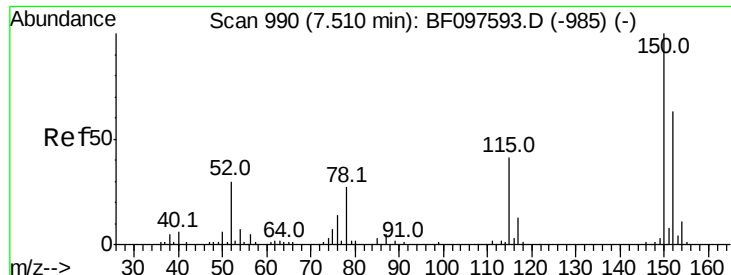
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5BDL

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:05 PM

Quant Time: Aug 14 07:36:21 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

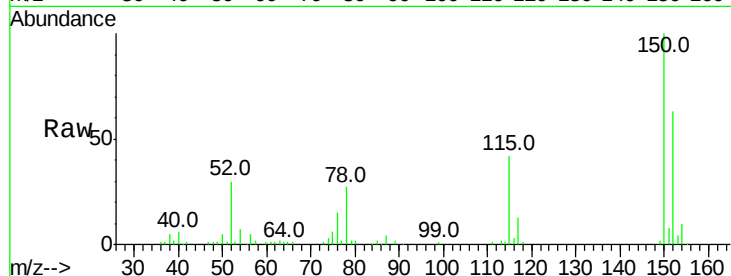
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.50 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	66.9	52.2	78.2

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:05 PM

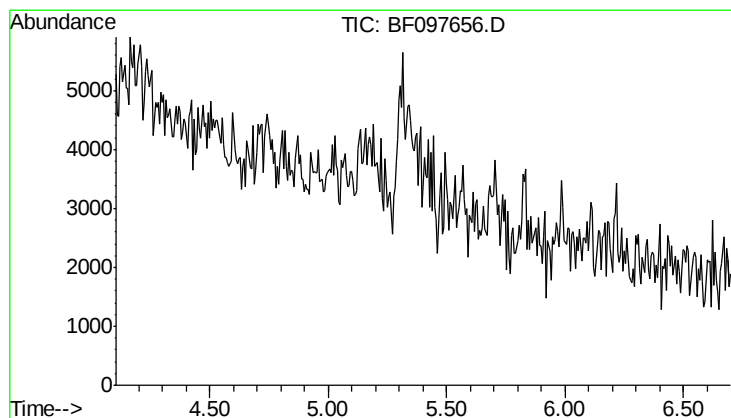
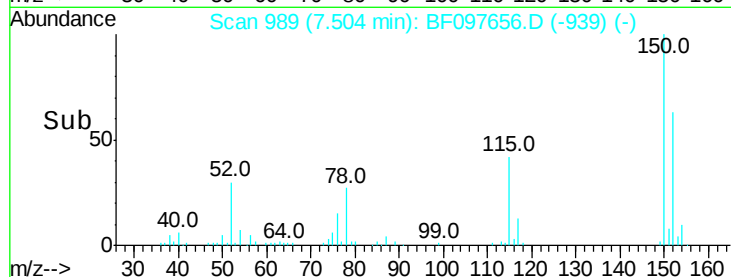
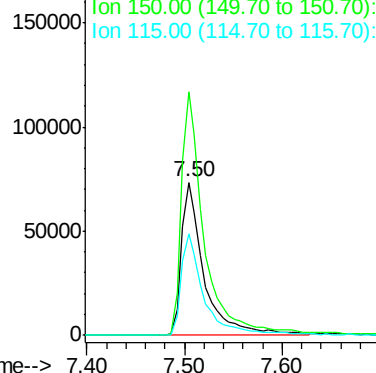


Abundance

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

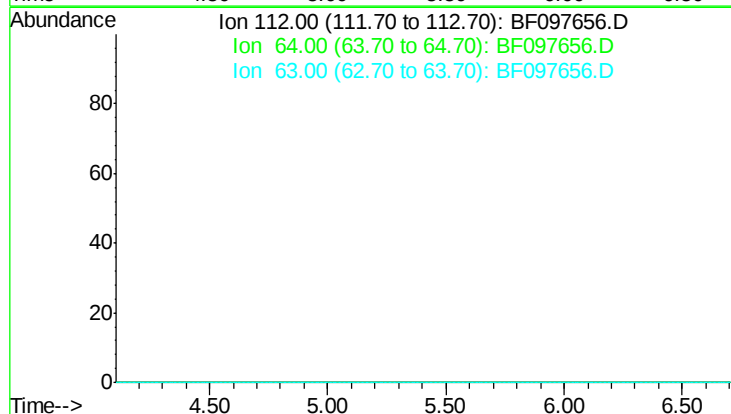


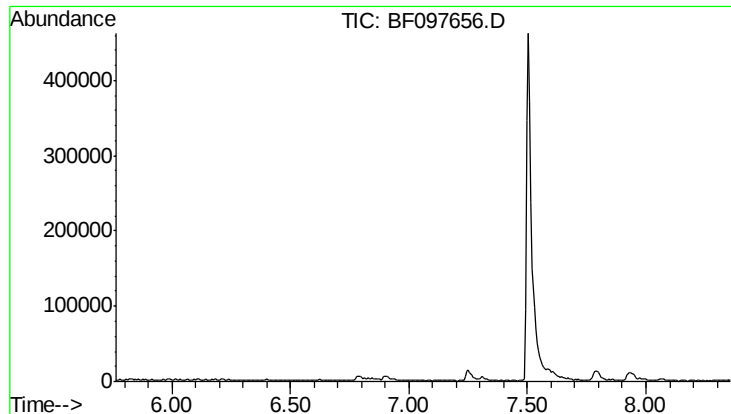
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.40 min

Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Exp Ratio
112	100
64	57.5
63	29.2





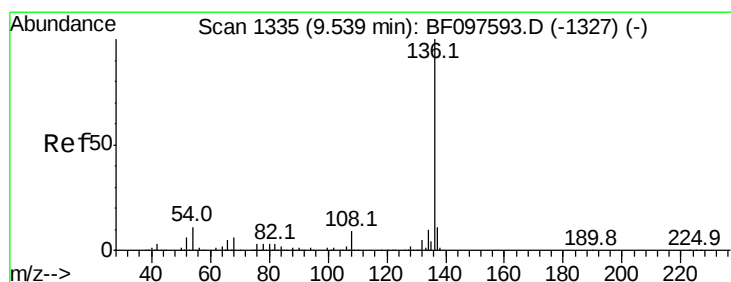
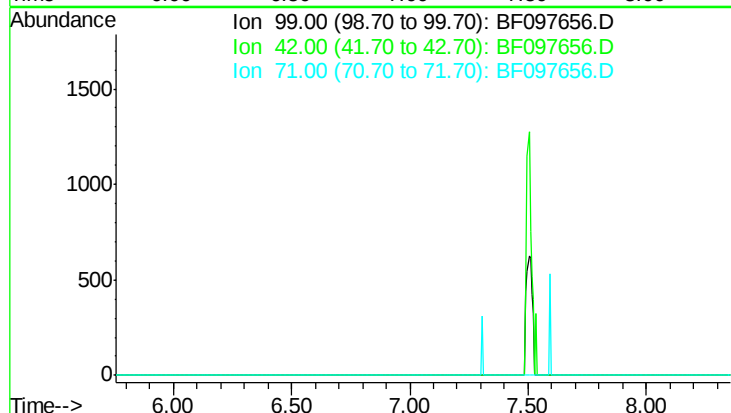
#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.06 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Manual Integrations
 APPROVED

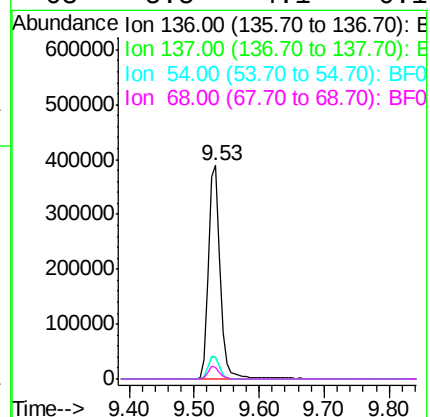
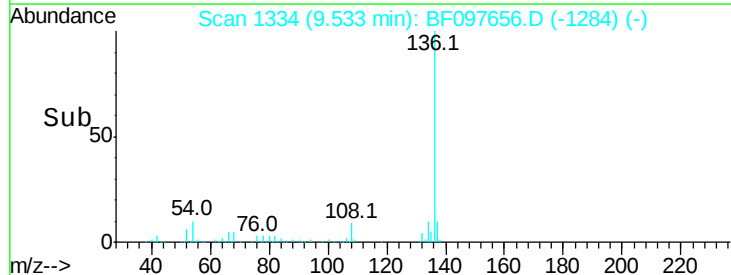
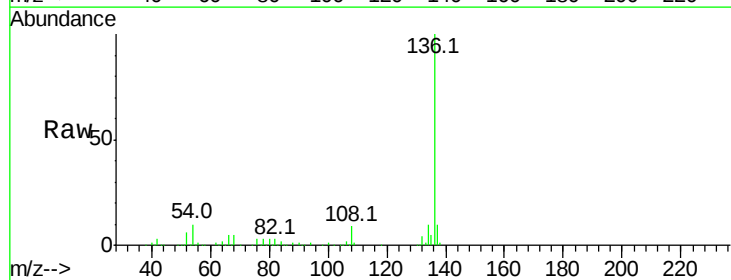
sohil
 8/14/2017 7:07:05 PM

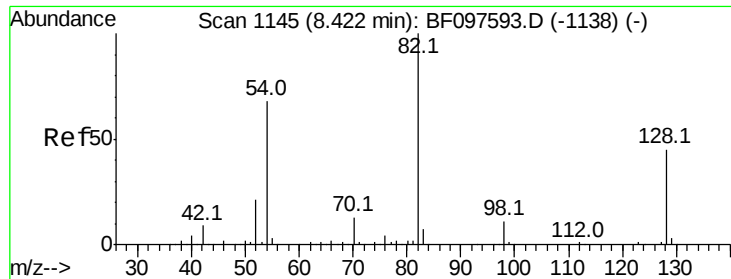
Tot Ion	99
Sig	Exp Ratio
99	100
42	16.9
71	30.6



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	136	Resp	488237
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	10.1	4.9	7.3
68	5.5	4.1	6.1





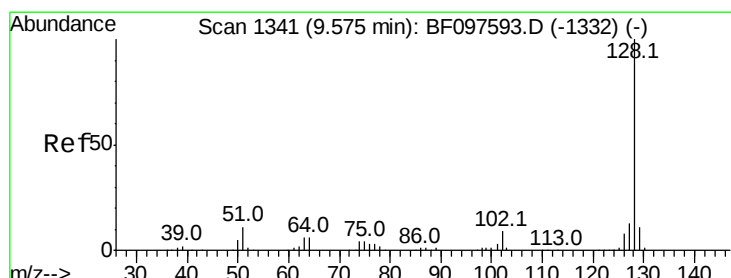
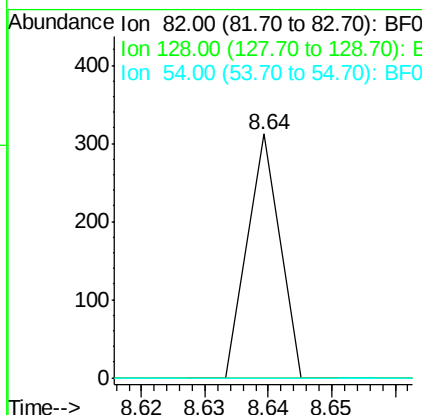
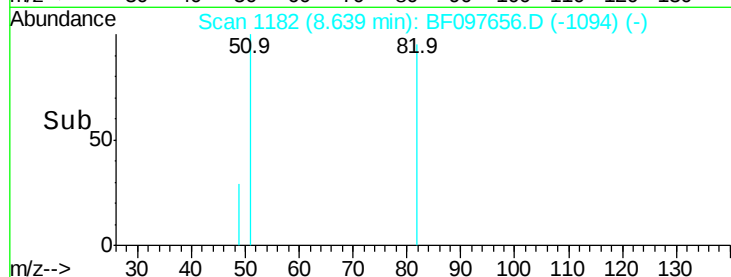
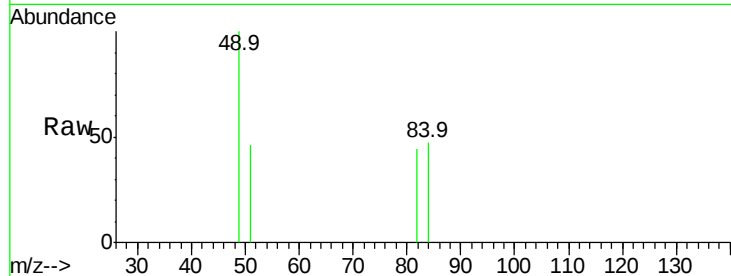
#23
Nitrobenzene-d5
Concen: 0.014 ng
RT: 8.64 min Scan# 1182
Delta R.T. 0.22 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.0	51.0#
54	0.0	42.2	63.2#

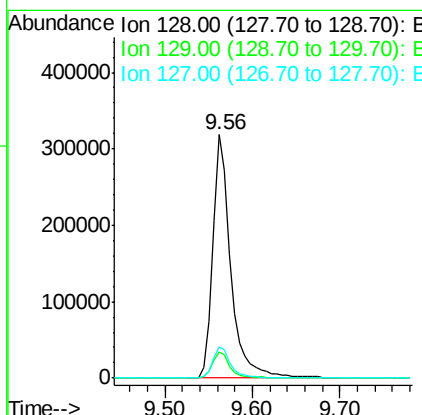
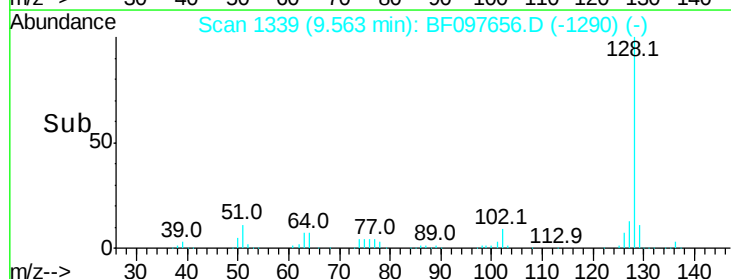
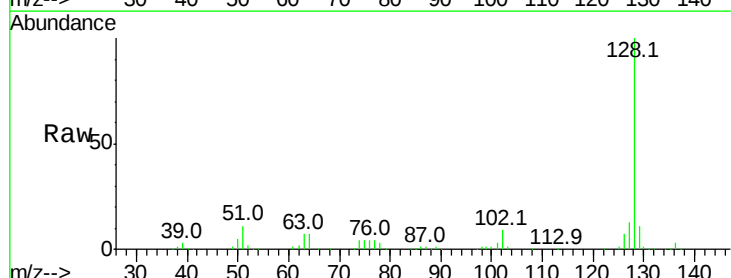
Manual Integrations
APPROVED

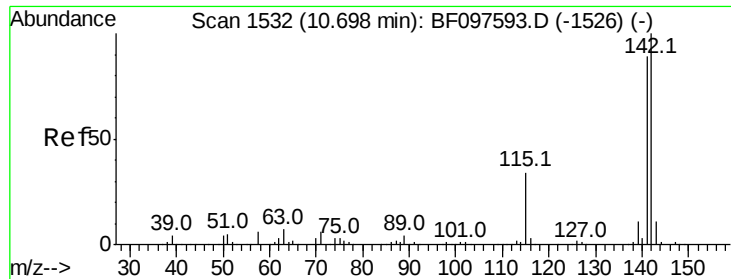
sohil
8/14/2017 7:07:05 PM



#31
Naphthalene
Concen: 18.700 ng
RT: 9.56 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.7	10.8	16.2





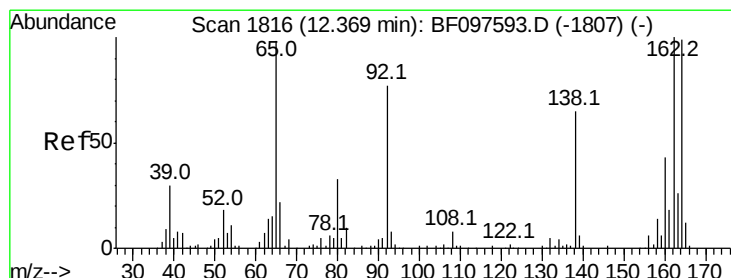
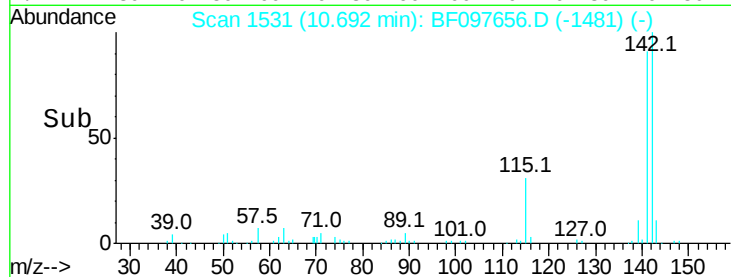
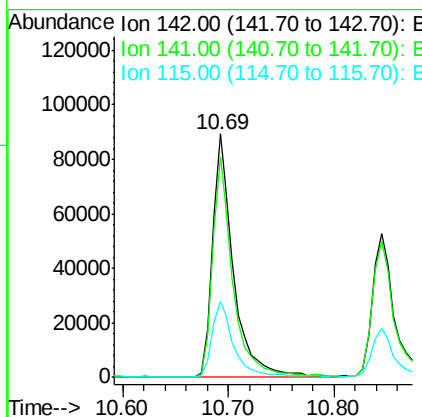
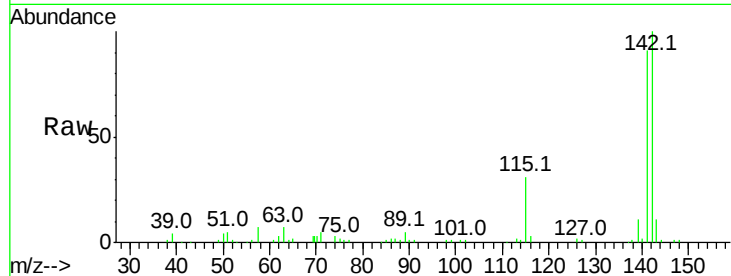
#37
2-Methylnaphthalene
Concen: 8.103 ng
RT: 10.69 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9
115	31.1	27.1	40.7

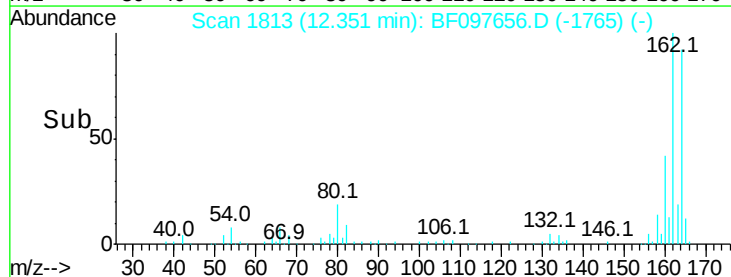
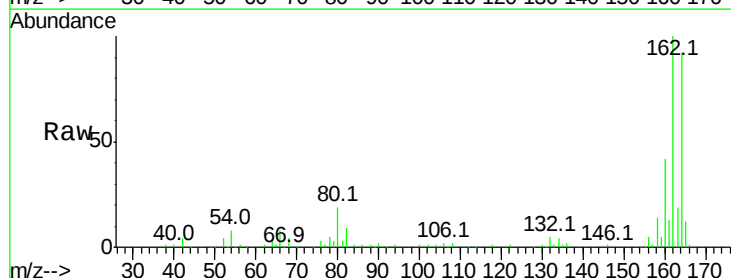
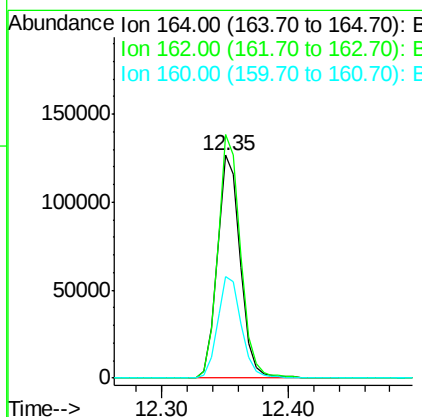
Manual Integrations
APPROVED

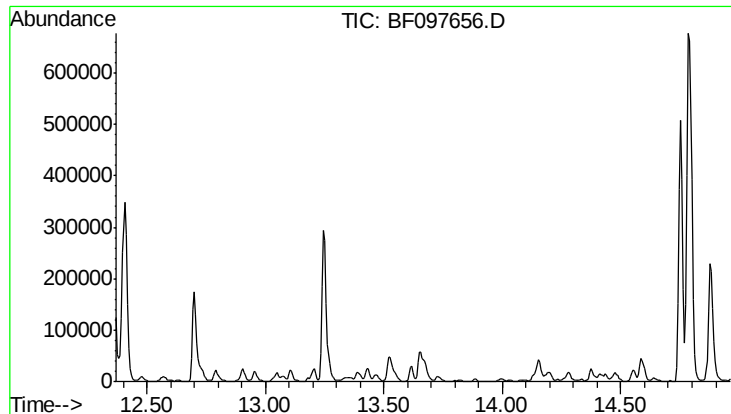
sohil
8/14/2017 7:07:05 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.35 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.2	82.6	123.8
160	45.7	36.2	54.2





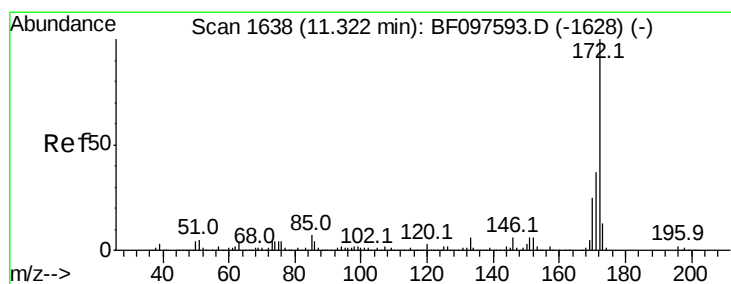
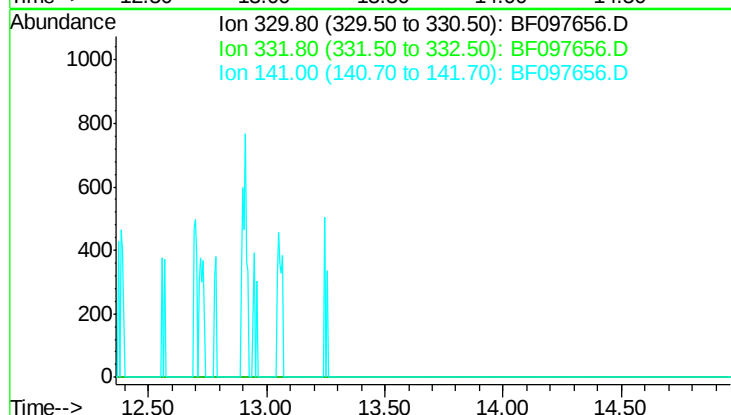
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 13.66 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Manual Integrations
 APPROVED

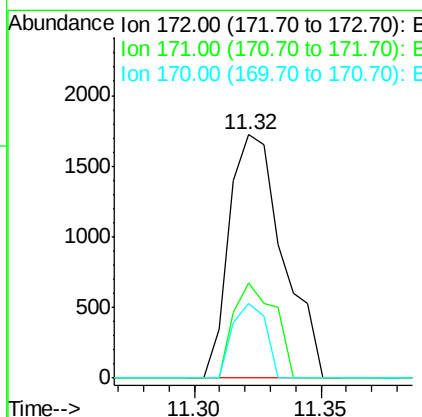
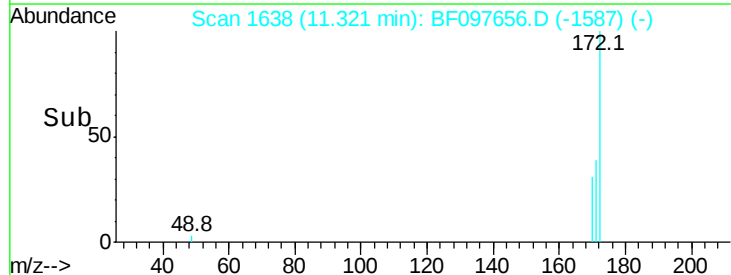
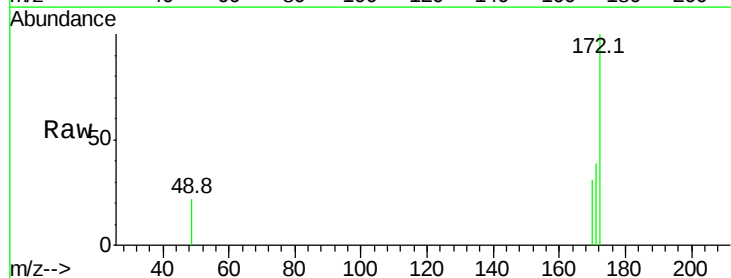
sohil
 8/14/2017 7:07:05 PM

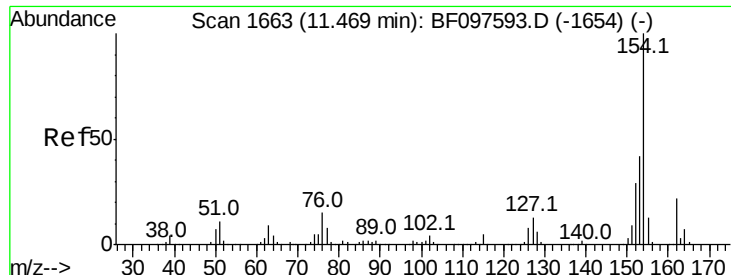
Tot Ion	330	332	141
Exp Ratio	100	95.8	39.3



#44
 2-Fluorobiphenyl
 Concen: 0.239 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	172	171	170
Resp	2539	39.2	30.5
Ratio	100	29.6	19.8
Lower		29.6	19.8
Upper		44.4	29.8#





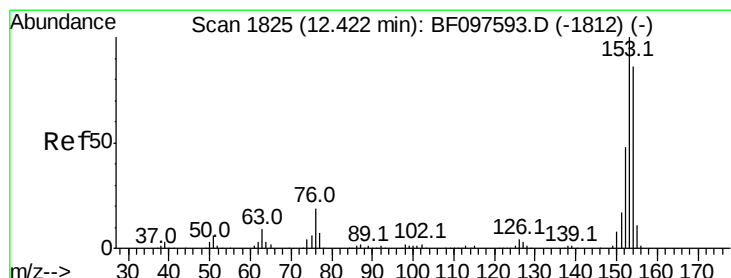
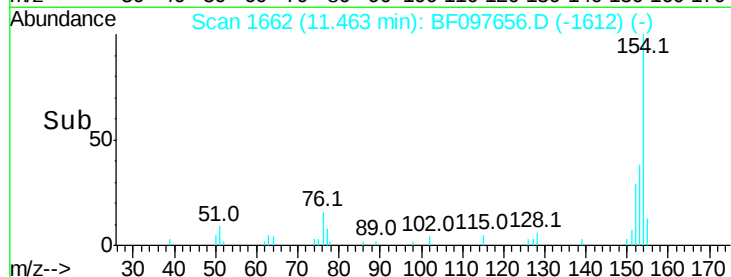
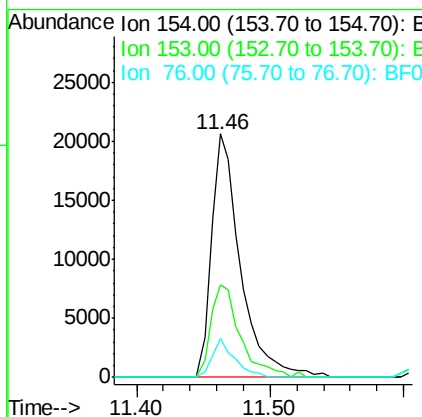
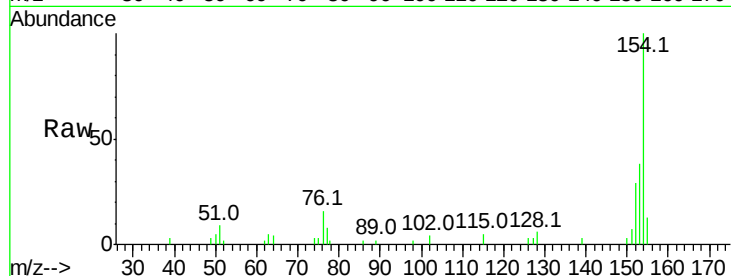
#45
 1,1'-Biphenyl
 Concen: 2.279 ng
 RT: 11.46 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.9	21.2	61.2
76	16.1	0.0	29.9

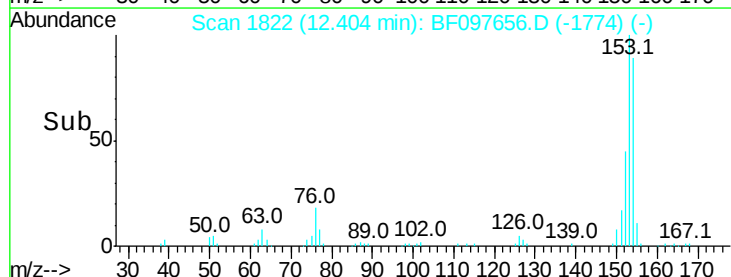
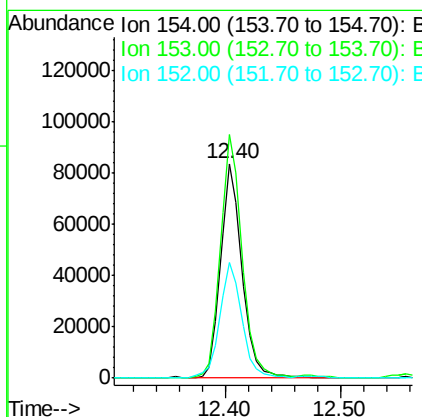
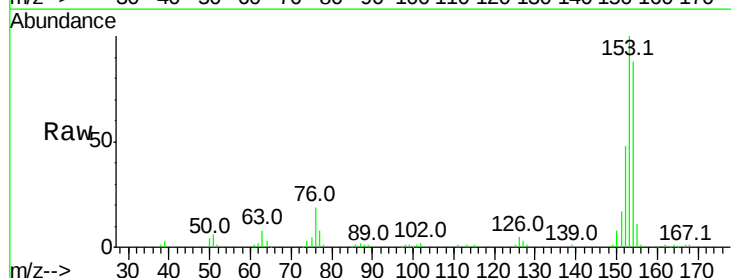
Manual Integrations
 APPROVED

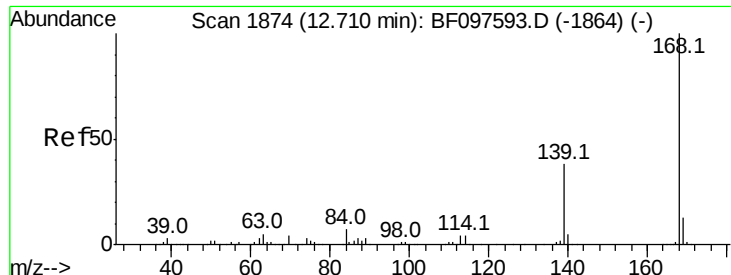
sohil
 8/14/2017 7:07:05 PM



#51
 Acenaphthene
 Concen: 10.684 ng
 RT: 12.40 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.5	135.7
152	54.0	43.6	65.4





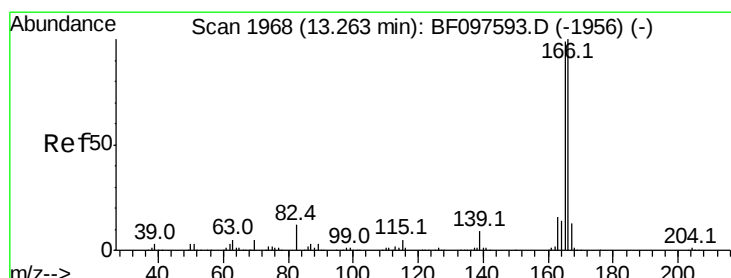
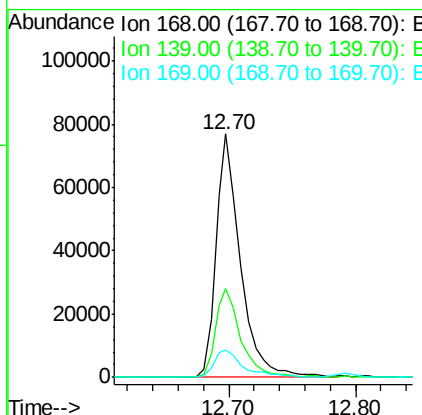
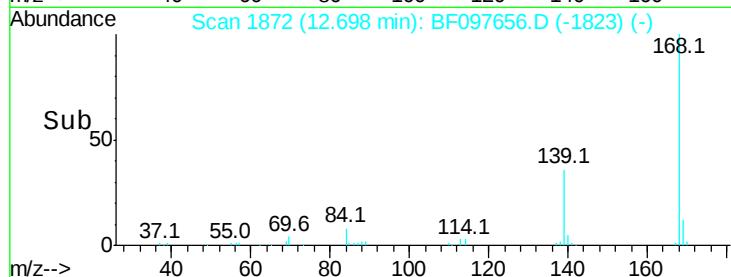
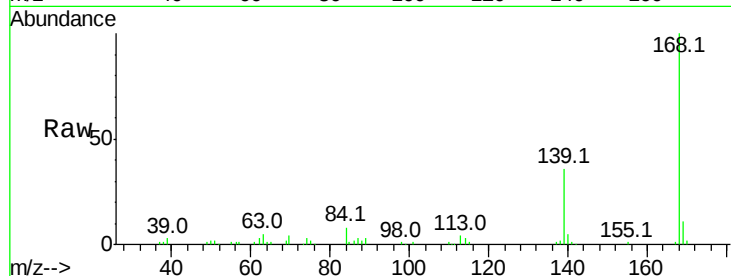
#54
Dibenzenofuran
Concen: 7.305 ng
RT: 12.70 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	30.6	45.8
169	11.4	10.8	16.2

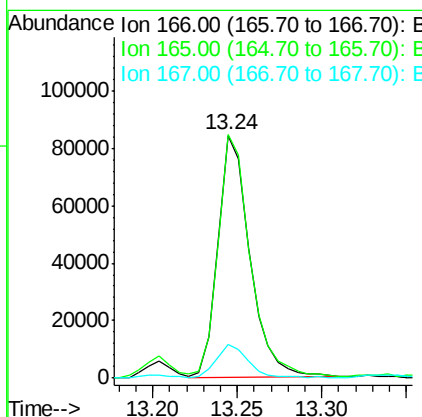
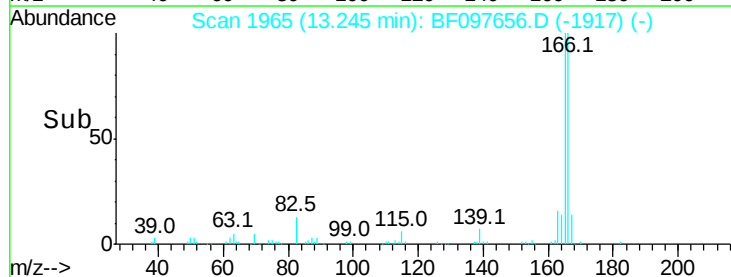
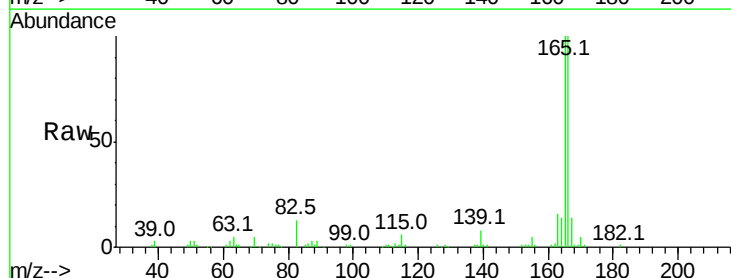
Manual Integrations
APPROVED

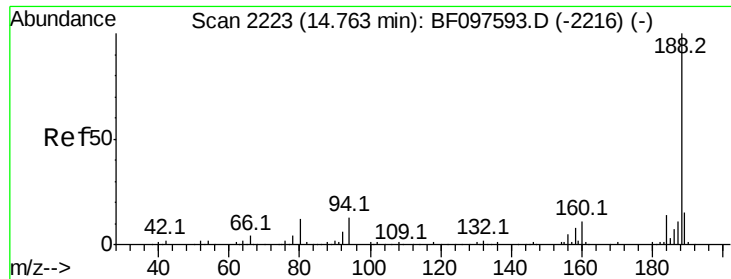
sohil
8/14/2017 7:07:05 PM



#57
Fluorene
Concen: 9.616 ng
RT: 13.24 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	13.7	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

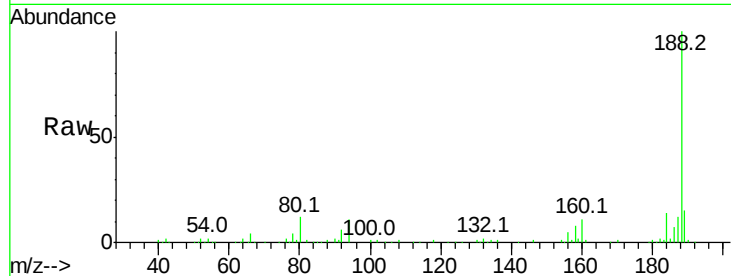
ClientSampleId :

NYSEG-PH4-ESMI-5BDL

Tot Ion:	188	Resp:	234241
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	12.0	10.2	15.2

Manual Integrations
APPROVED

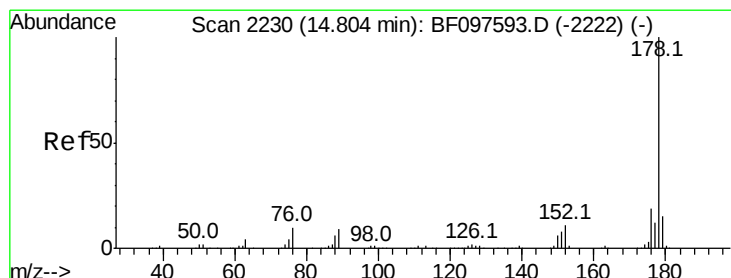
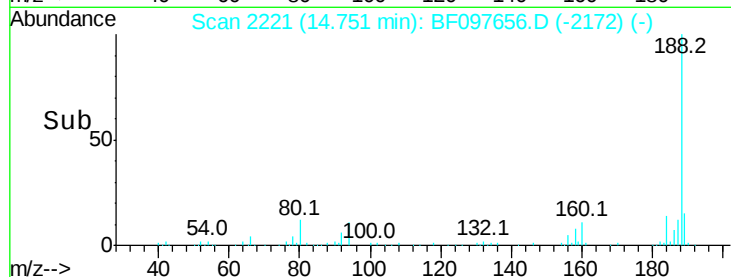
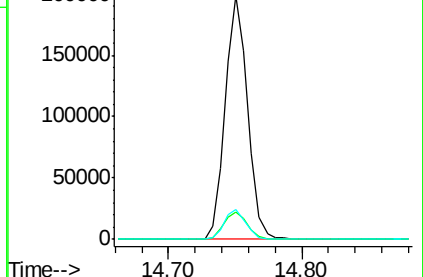
sohil
8/14/2017 7:07:05 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 27.535 ng

RT: 14.79 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BF097656.D

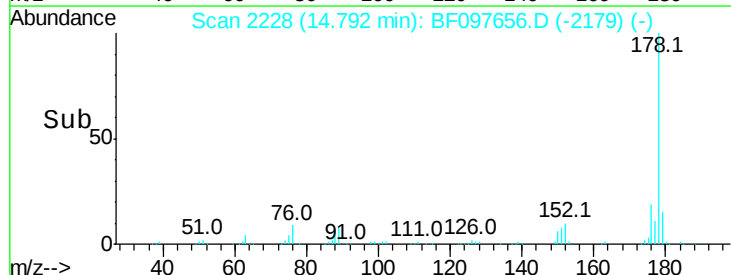
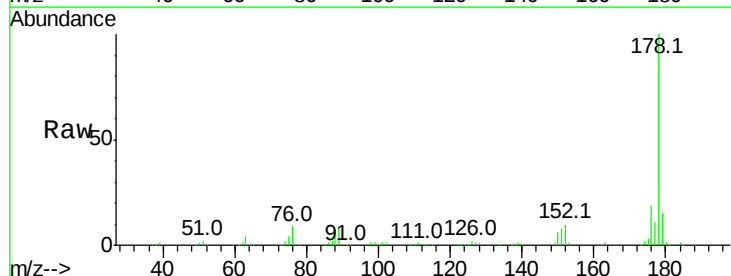
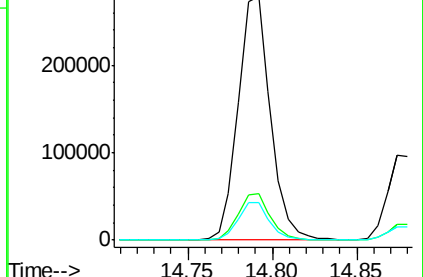
Acq: 13 Aug 2017 5:08

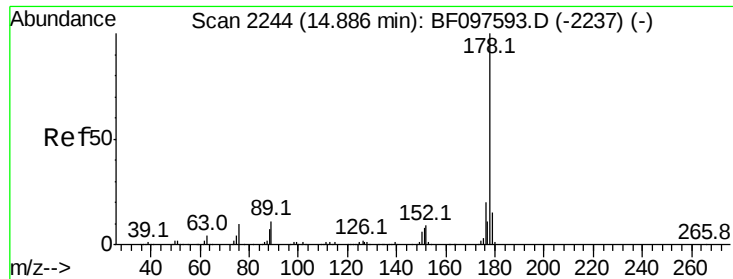
Tgt Ion:	178	Resp:	371478
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.5	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





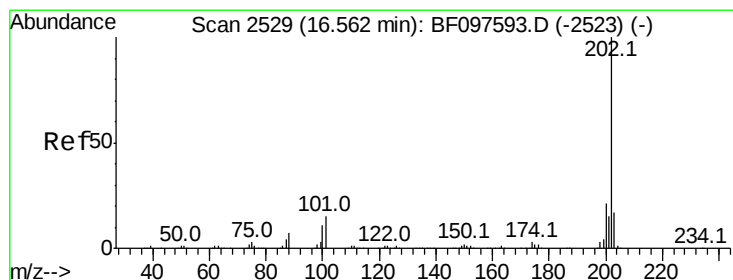
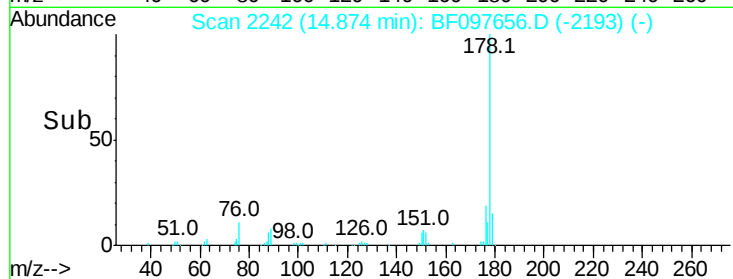
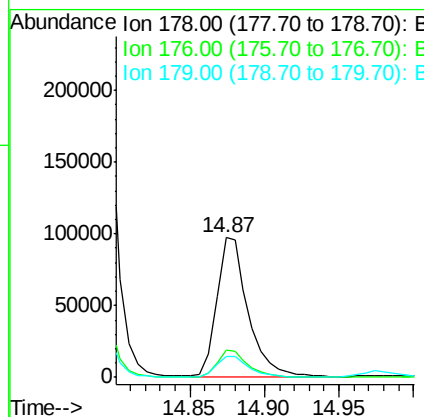
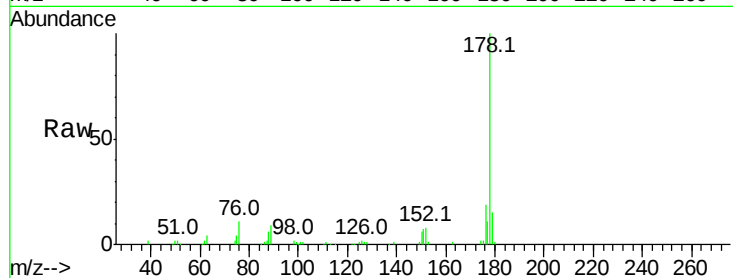
#71
 Anthracene
 Concen: 10.234 ng
 RT: 14.87 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.4	12.7	19.1

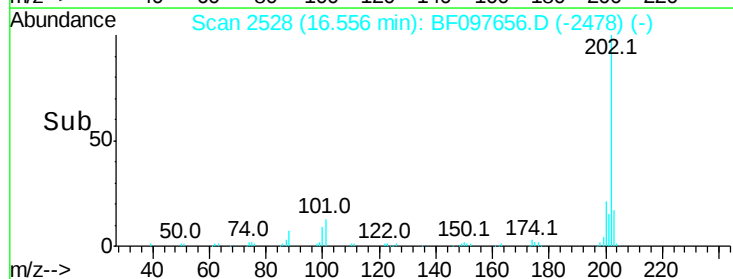
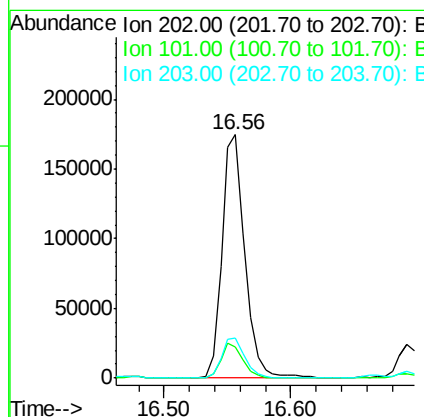
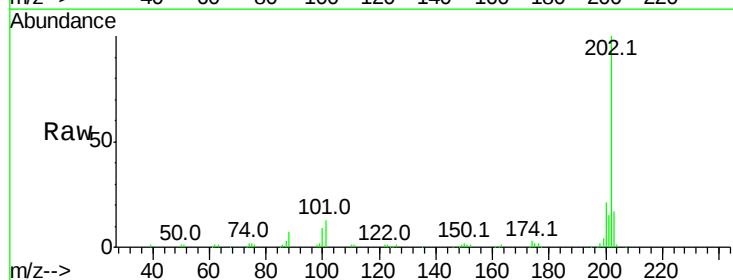
Manual Integrations
 APPROVED

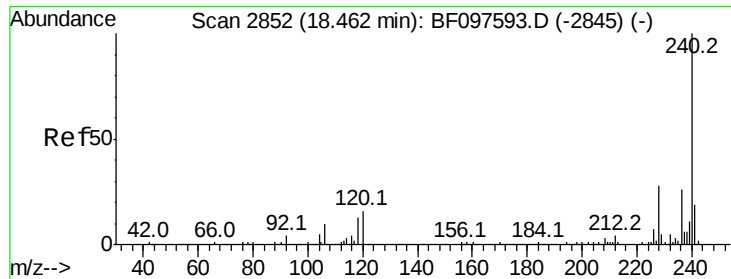
sohil
 8/14/2017 7:07:05 PM



#74
 Fluoranthene
 Concen: 17.890 ng
 RT: 16.56 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.6	0.0	38.1





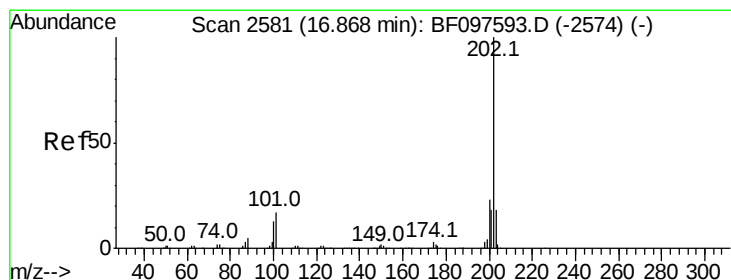
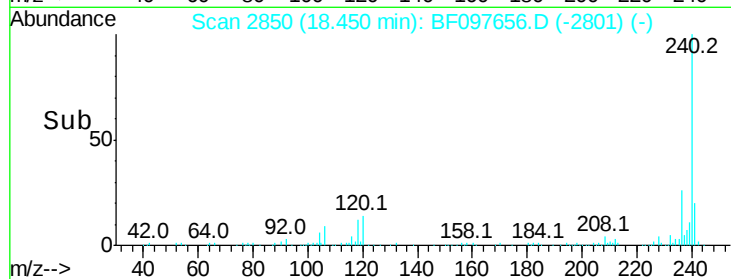
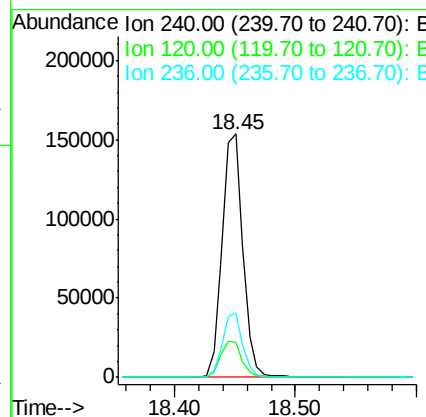
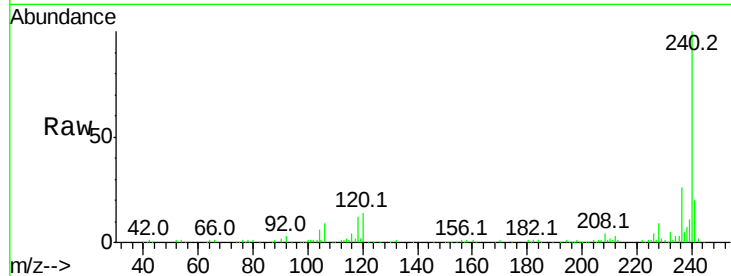
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.45 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	26.3	20.5	30.7

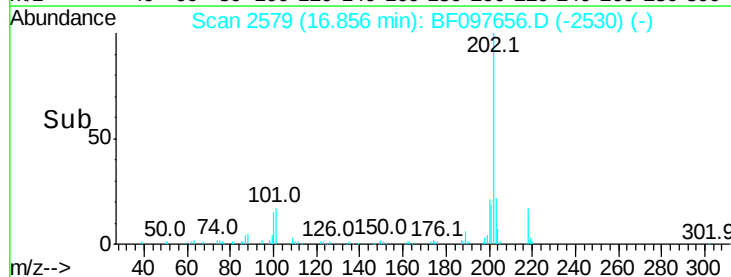
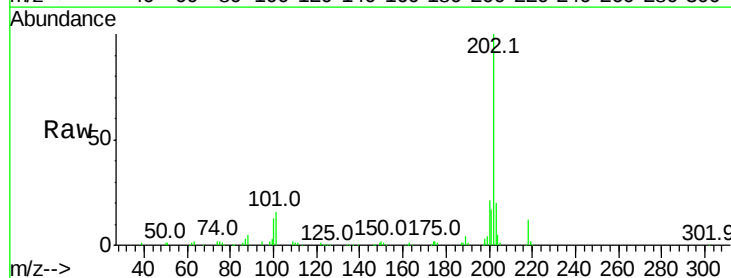
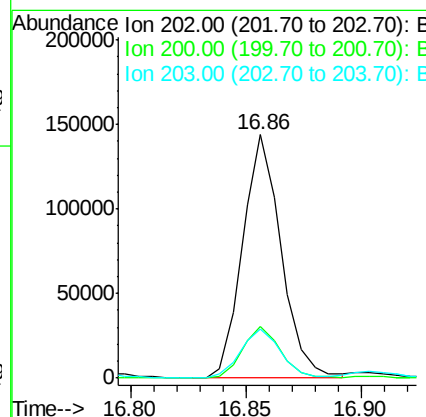
Manual Integrations
 APPROVED

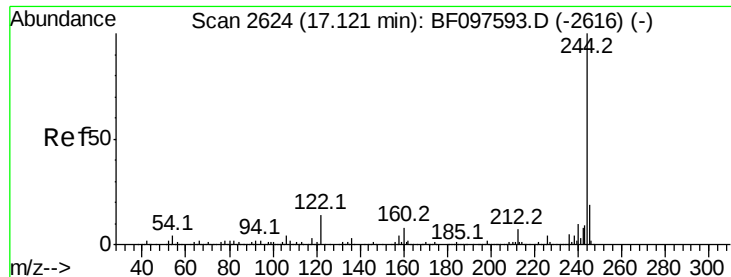
sohil
 8/14/2017 7:07:05 PM



#77
 Pyrene
 Concen: 11.208 ng
 RT: 16.86 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	20.4	14.4	21.6





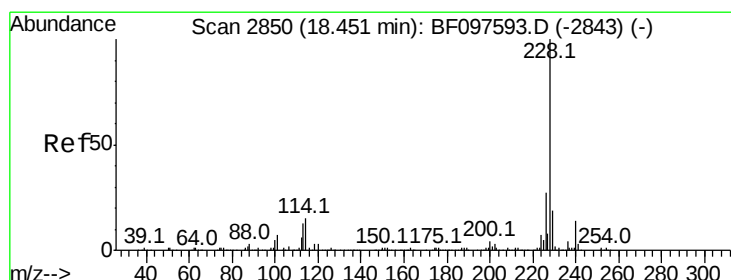
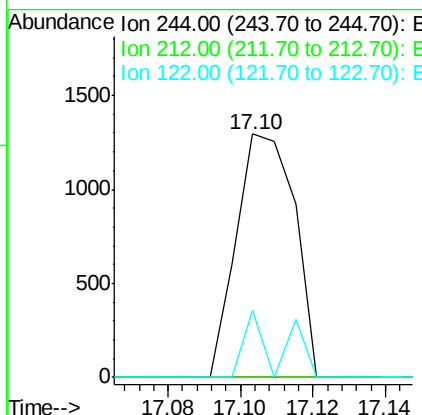
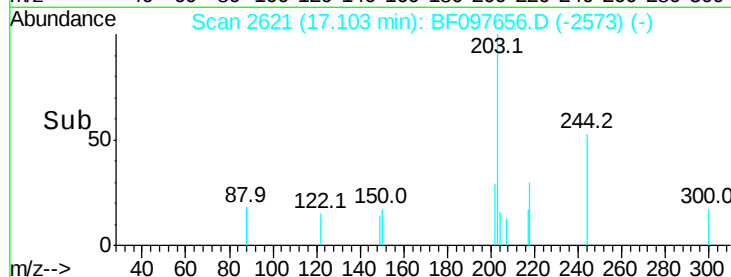
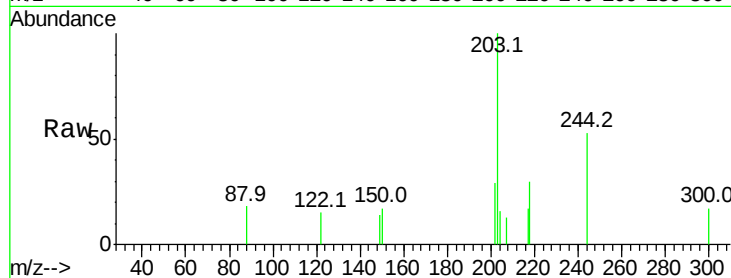
#78
 Terphenyl-d14
 Concen: 0.164 ng
 RT: 17.10 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	0.0	6.0	9.0#
122	27.6	10.3	15.5#

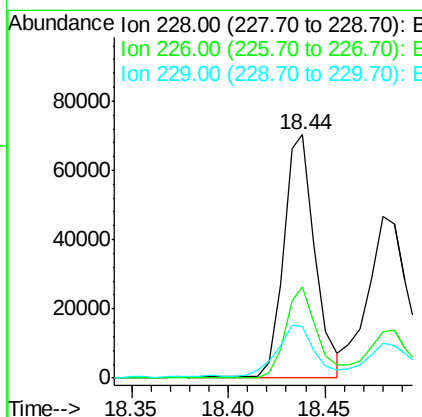
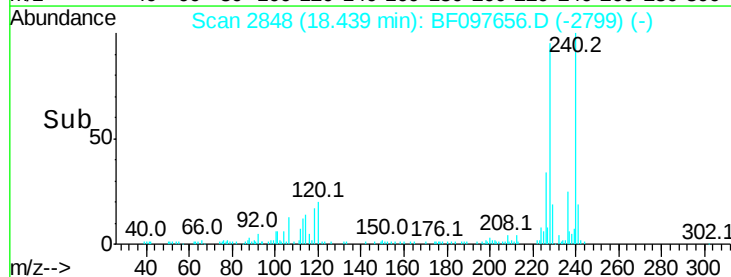
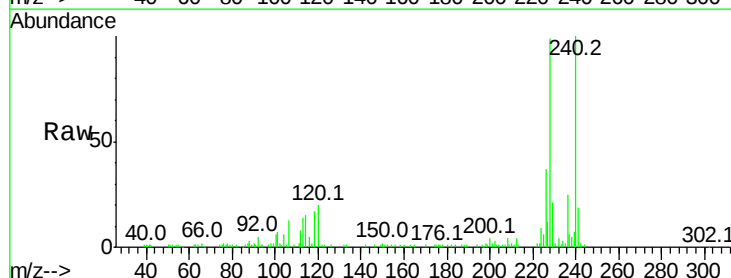
Manual Integrations
 APPROVED

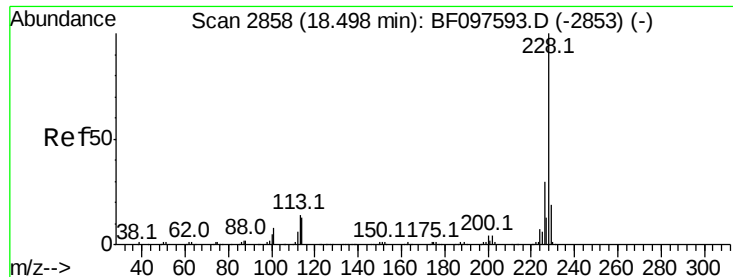
sohil
 8/14/2017 7:07:05 PM



#80
 Benzo(a)anthracene
 Concen: 7.663 ng m
 RT: 18.44 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.4	22.6	33.8#
229	21.0	16.3	24.5





#82

Chrysene

Concen: 6.439 ng

RT: 18.48 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Instrument :

BNA_F

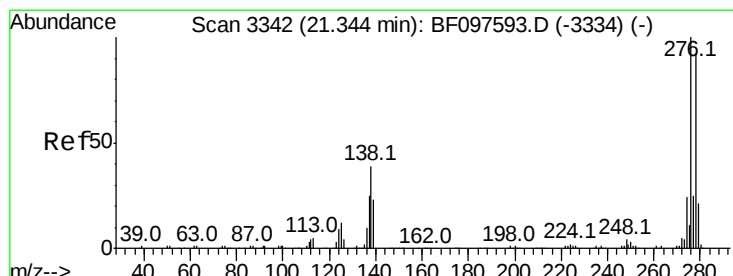
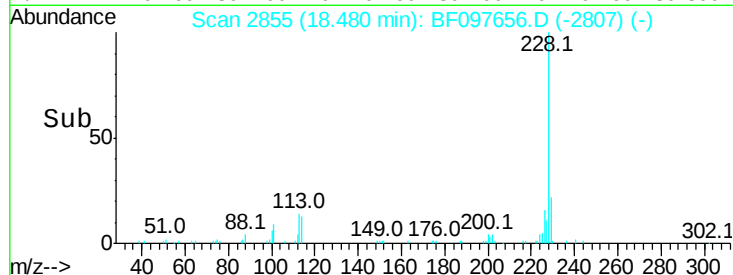
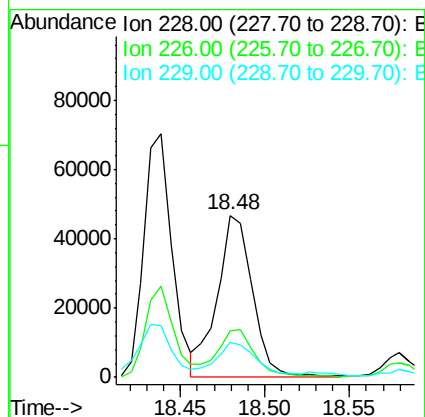
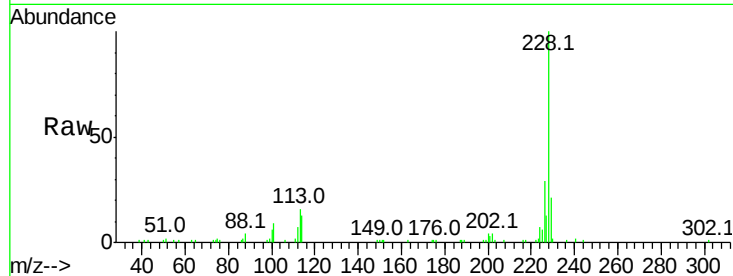
ClientSampleId :

NYSEG-PH4-ESMI-5BDL

Tot Ion:	228	Resp:	67642
Ion Ratio	Lower	Upper	
228	100		
226	28.6	24.9	37.3
229	21.4	15.8	23.6

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:05 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.414 ng

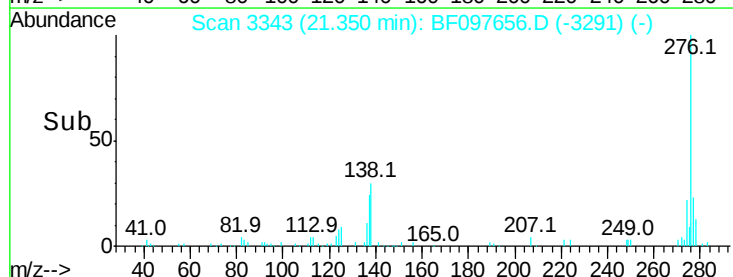
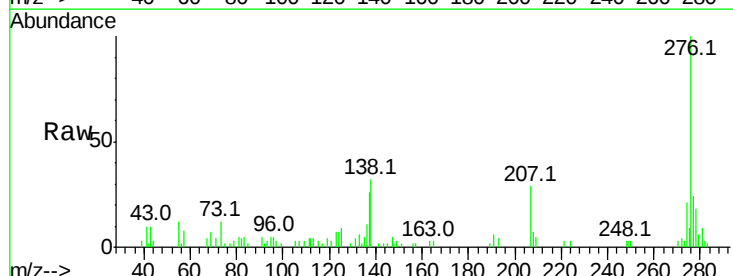
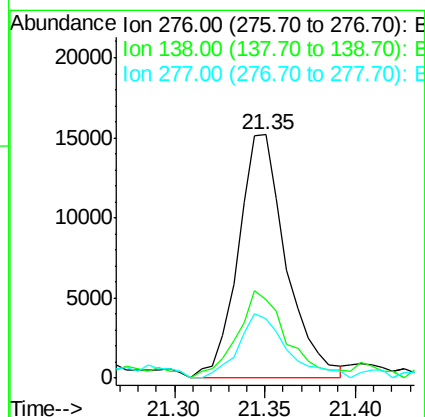
RT: 21.35 min Scan# 3343

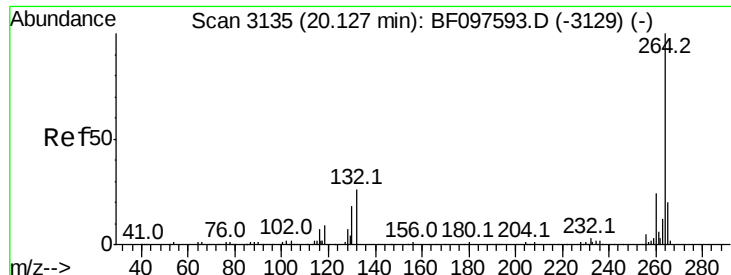
Delta R.T. 0.01 min

Lab File: BF097656.D

Acq: 13 Aug 2017 5:08

Tgt Ion:	276	Resp:	27892
Ion Ratio	Lower	Upper	
276	100		
138	36.4	27.8	41.6
277	26.7	20.2	30.4





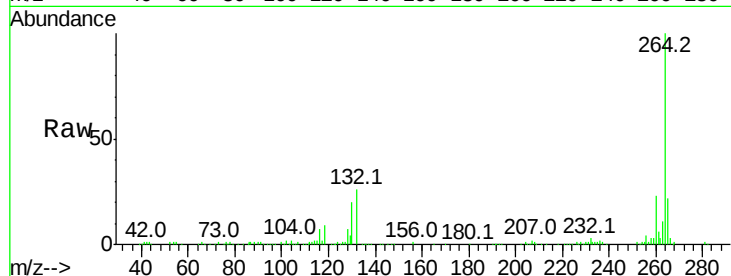
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.11 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5BDL

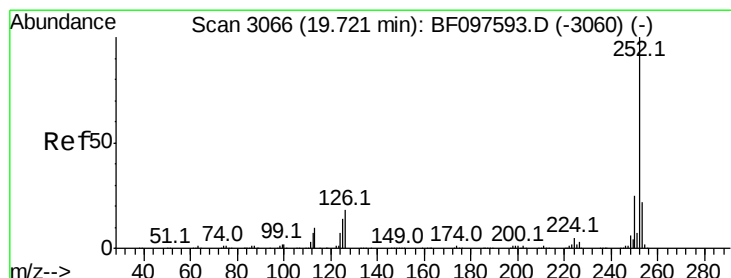
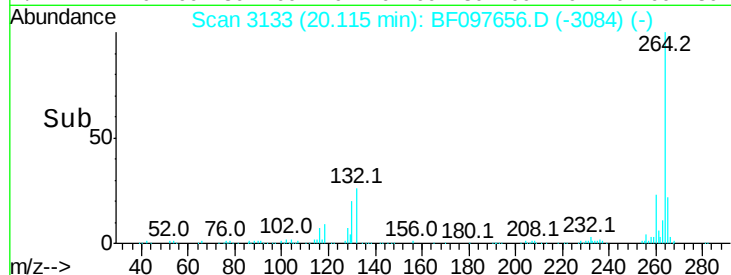
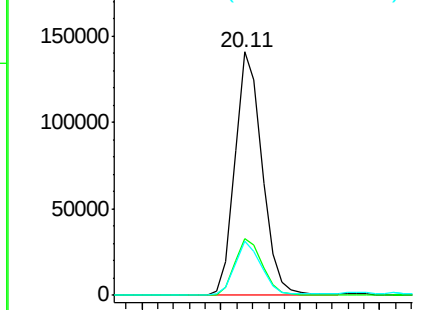
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.3	17.2	25.8

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:05 PM



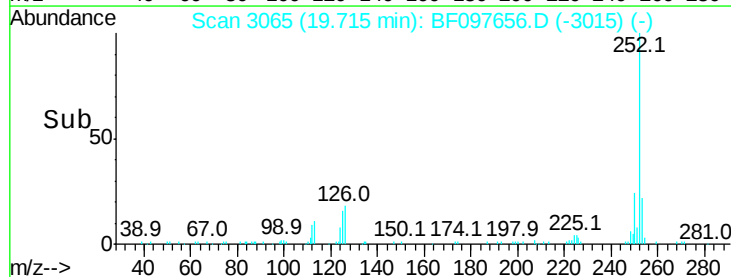
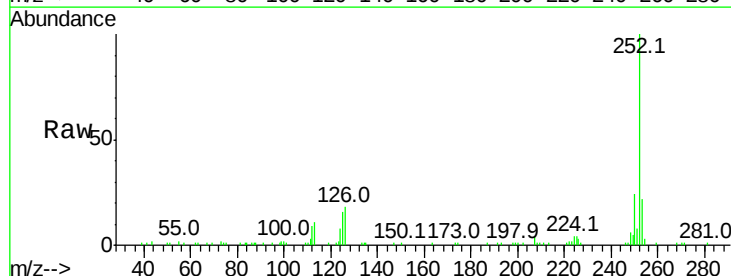
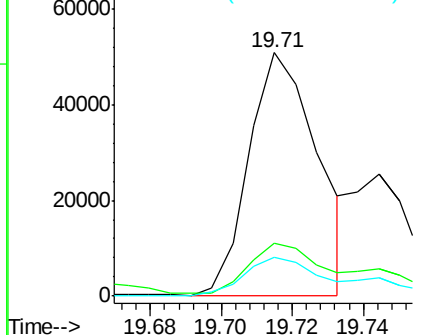
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

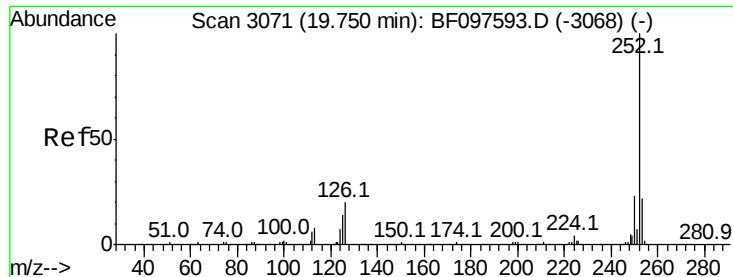


#87
Benzo(b)fluoranthene
Concen: 6.781 ng m
RT: 19.71 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.9	9.8	14.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





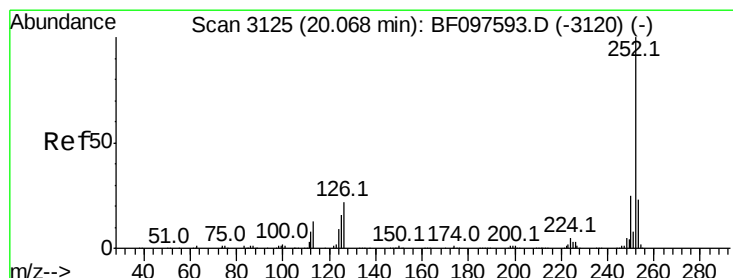
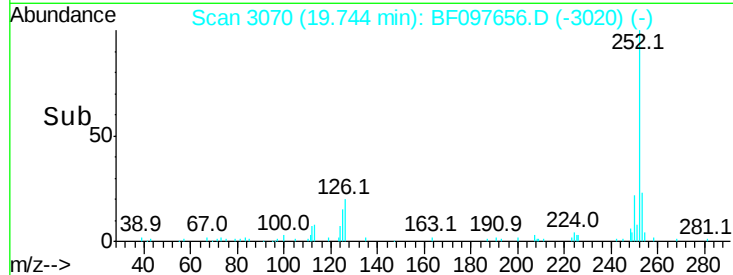
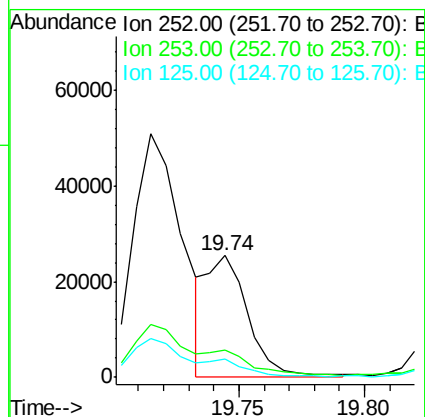
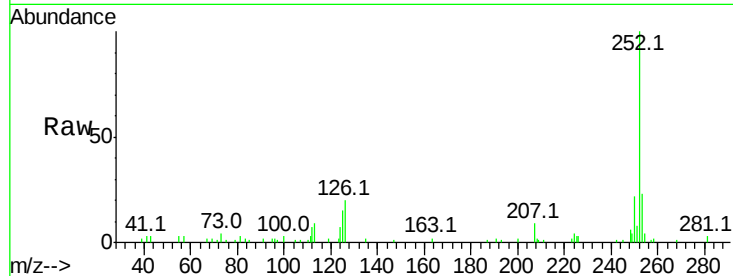
#88
Benzo(k)fluoranthene
Concen: 2.897 ng m
RT: 19.74 min Scan# 3070
Delta R.T. -0.01 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	15.2	13.1	19.7

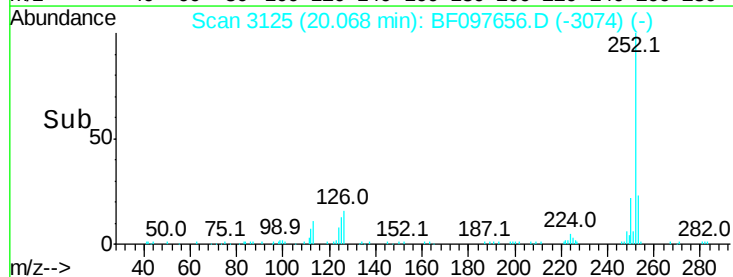
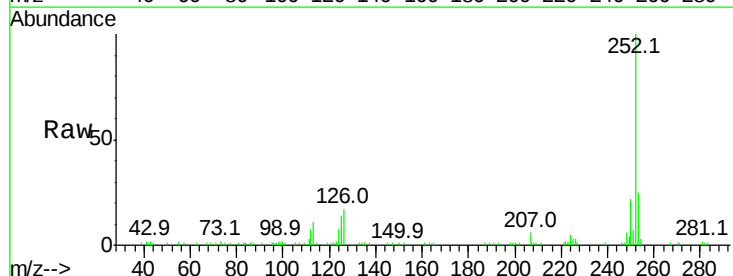
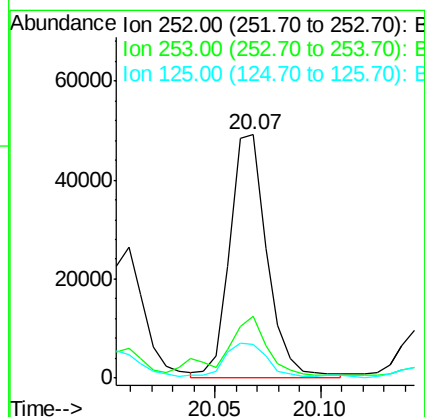
Manual Integrations
APPROVED

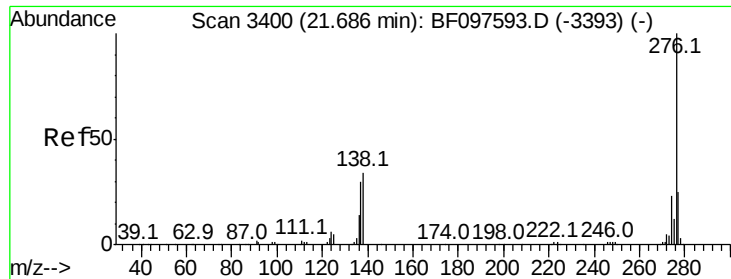
sohil
8/14/2017 7:07:05 PM



#89
Benzo(a)pyrene
Concen: 6.474 ng
RT: 20.07 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BF097656.D
Acq: 13 Aug 2017 5:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	13.8	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.447 ng
 RT: 21.70 min Scan# 3402
 Delta R.T. 0.01 min
 Lab File: BF097656.D
 Acq: 13 Aug 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-5BDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	34.3	25.4	38.0

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:05 PM

