

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107366.D
 Acq On : 13 Jul 2018 14:49
 Operator : JU/SJ
 Sample : J3948-05 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

Manual Integrations
 APPROVED

Sohil
 7/16/2018 3:22:18 PM

Quant Time: Jul 13 15:47:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	43893	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	148103	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	67095	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	143407	20.00	ng	0.00
75) Chrysene-d12	14.14	240	156179	20.00	ng	0.00
86) Perylene-d12	15.68	264	133392	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	47555	18.35	ng	0.00
7) Phenol-d6	6.58	99	52952	16.36	ng	0.00
23) Nitrobenzene-d5	7.50	82	29832	11.19	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	12725	16.36	ng	0.00
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	0.00
78) Terphenyl-d14	13.06	244	69502	10.78	ng	0.00
Target Compounds						
31) Naphthalene	8.24	128	170176	24.577	ng	98
37) 2-Methylnaphthalene	8.93	142	21452	4.674	ng	95
45) 1,1'-Biphenyl	9.39	154	122093	22.833	ng	99
48) Acenaphthylene	9.84	152	139369	20.973	ng	98
49) Dimethylphthalate	9.68	163	12109	2.406	ng	96
51) Acenaphthene	10.01	154	374190	89.423	ng	97
57) Fluorene	10.53	166	205177	45.125	ng	98
70) Phenanthrene	11.51	178	646687	93.495	ng	99
71) Anthracene	11.55	178	366423	51.901	ng	100
74) Fluoranthene	12.71	202	728555	95.564	ng	96
77) Pyrene	12.94	202	959033	93.120	ng	98
80) Benzo(a)anthracene	14.13	228	616157m	64.731	ng	
82) Chrysene	14.17	228	481464	54.980	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	171689	23.103	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	455499m	54.971	ng	
88) Benzo(k)fluoranthene	15.24	252	178485m	22.619	ng	
89) Benzo(a)pyrene	15.62	252	477400m	64.809	ng	
90) Dibenzo(a,h)anthracene	17.27	278	49069m	7.860	ng	
91) Benzo(a,h,i)perylene	17.77	276	191892	31.448	ng	# 91

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

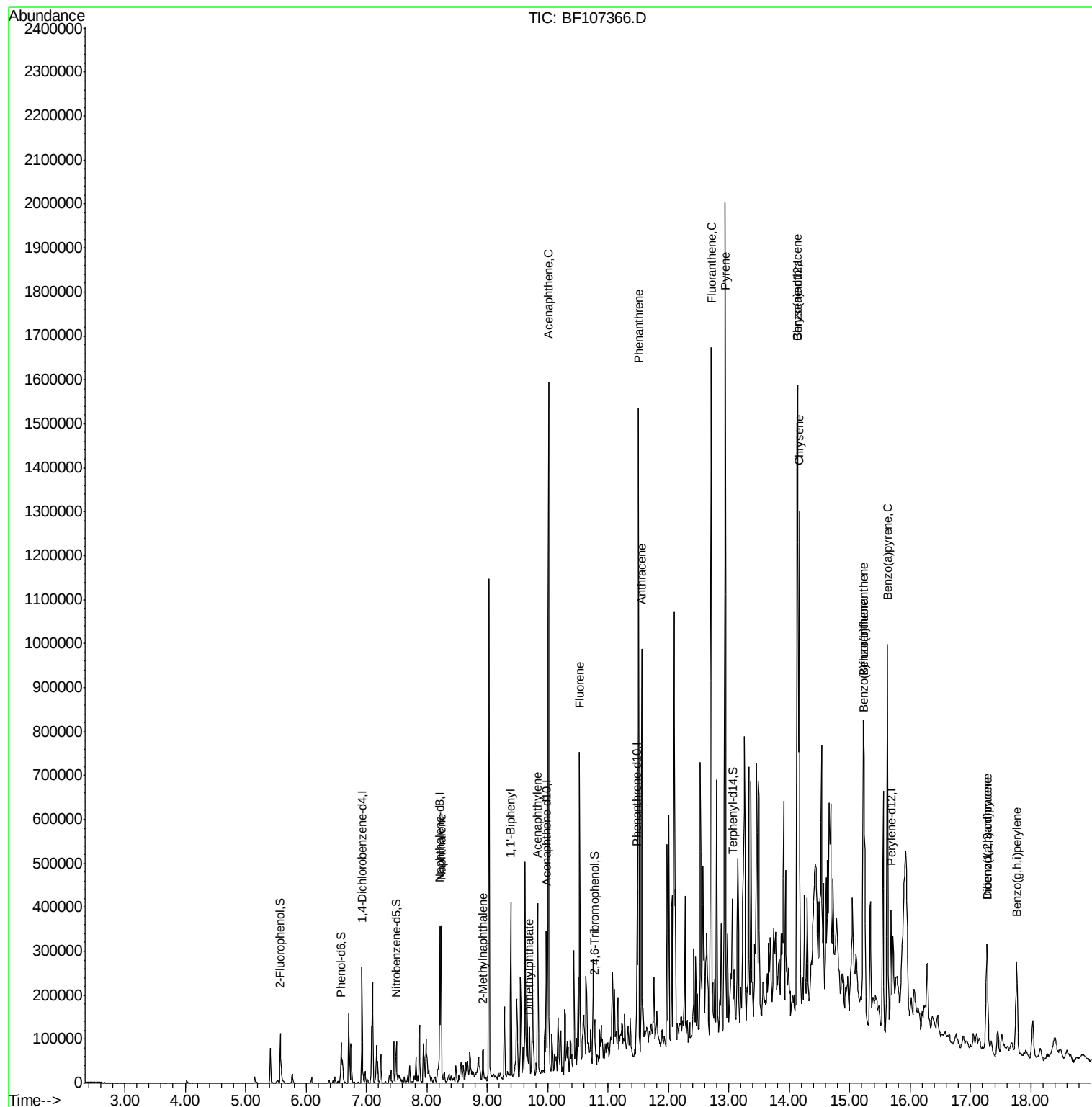
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM

Quant Time: Jul 13 15:47:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 13 11:54:53 2018
Response via : Initial Calibration





#1

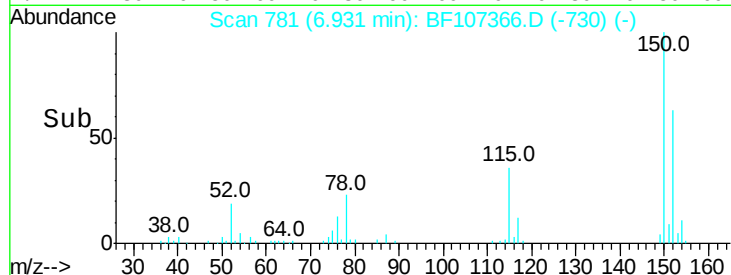
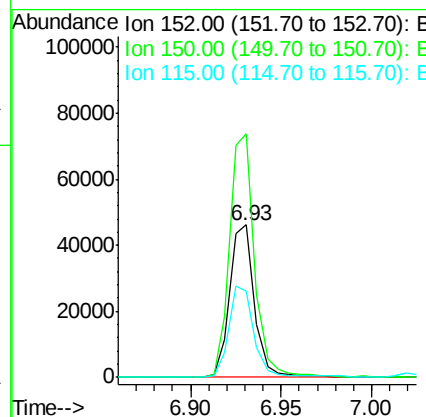
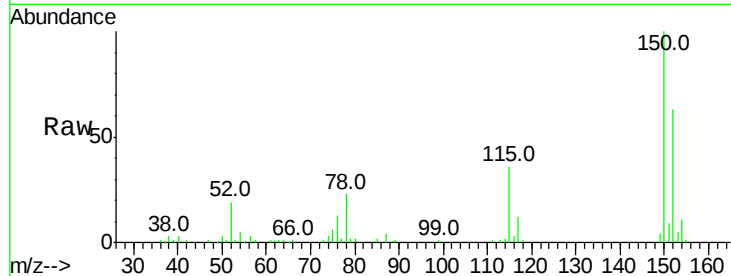
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	56.8	50.1	75.1

Manual Integrations
APPROVED

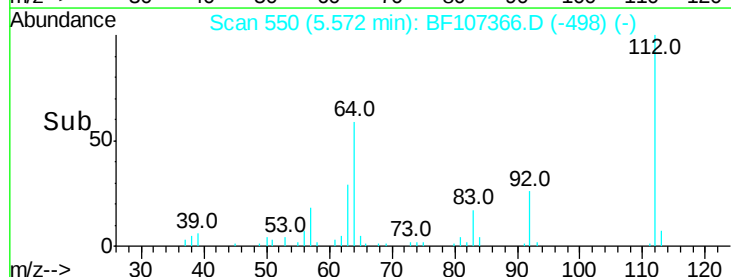
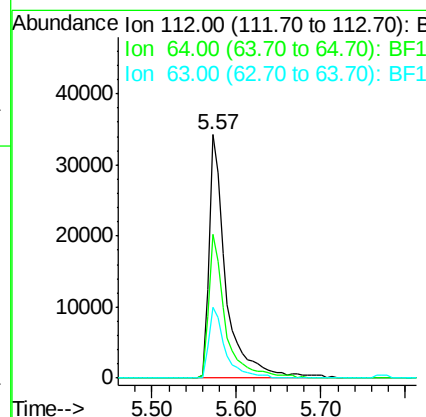
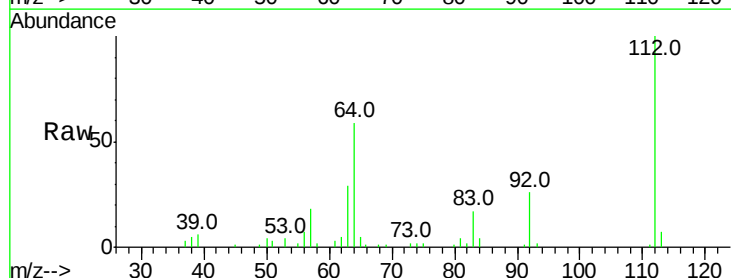
Sohil
7/16/2018 3:22:18 PM

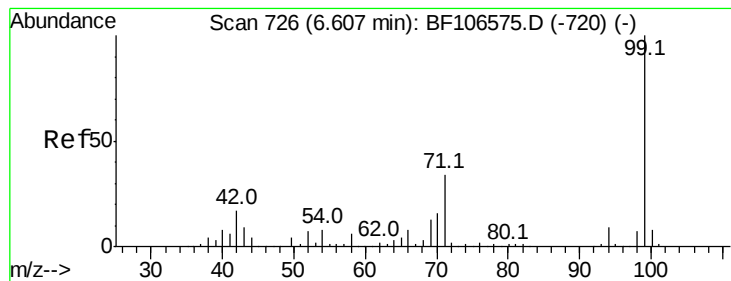


#5

2-Fluorophenol
Concen: 18.346 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 16.358 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Instrument :

BNA_F

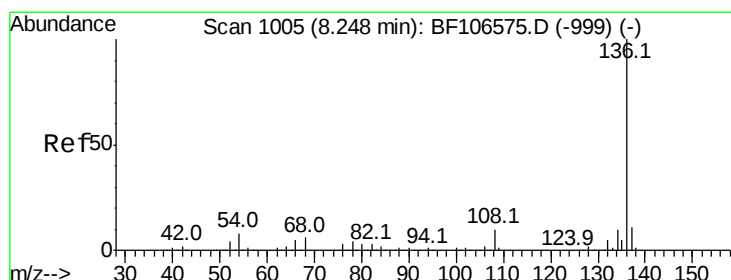
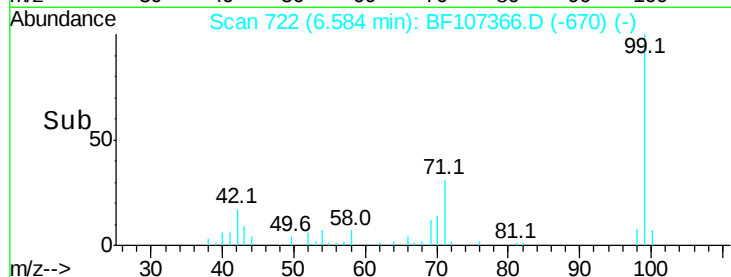
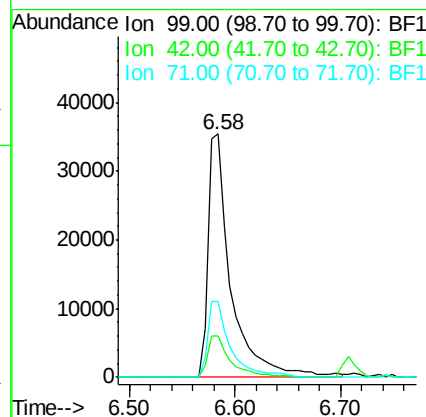
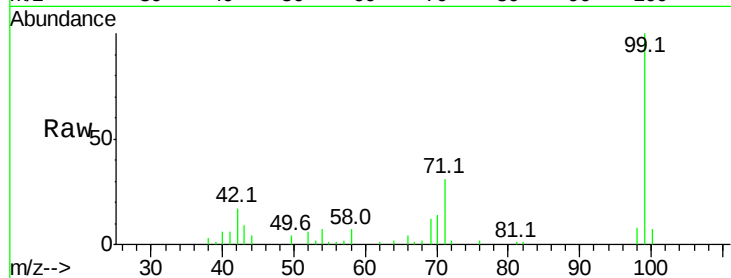
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	99	Resp:	52952
Ion Ratio	Lower	Upper	
99	100		
42	17.0	14.5	21.7
71	31.4	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM



#21

Naphthalene-d8

Concen: 20.000 ng

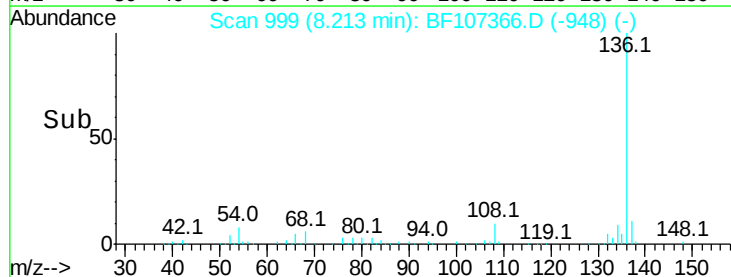
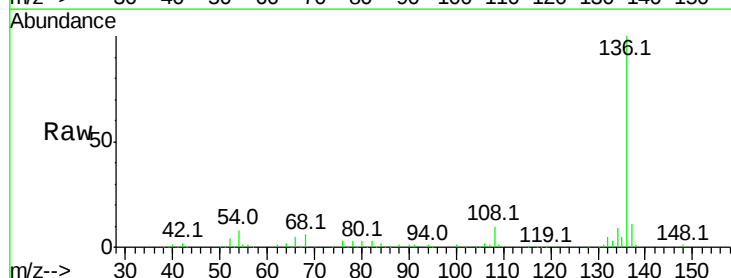
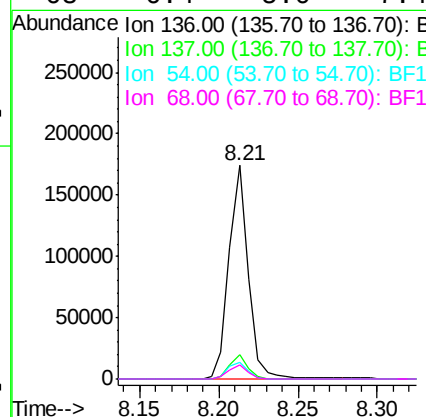
RT: 8.21 min Scan# 999

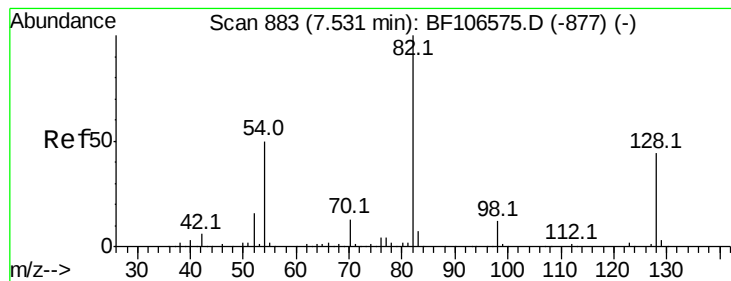
Delta R.T. 0.00 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	136	Resp:	148103
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.9	6.6	9.8
68	6.4	5.0	7.4





#23

Nitrobenzene-d5

Concen: 11.194 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Instrument :

BNA_F

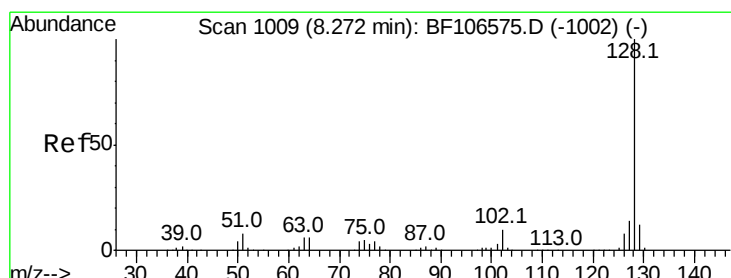
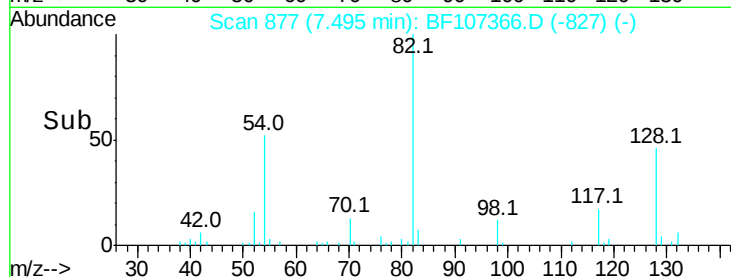
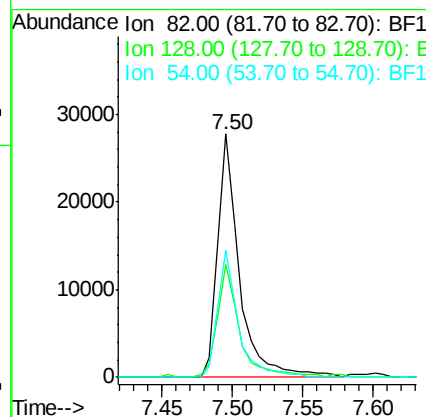
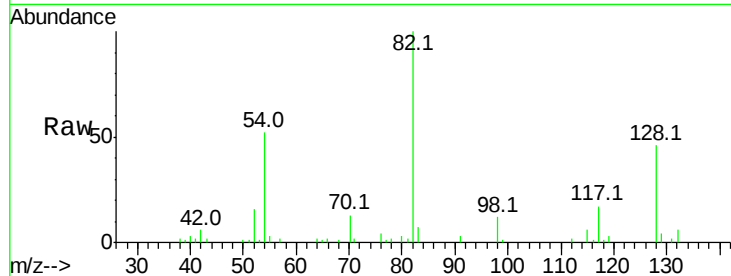
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	82	Resp:	29832
Ion Ratio	Lower	Upper	
82	100		
128	46.4	36.1	54.1
54	52.2	41.4	62.2

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM



#31

Naphthalene

Concen: 24.577 ng

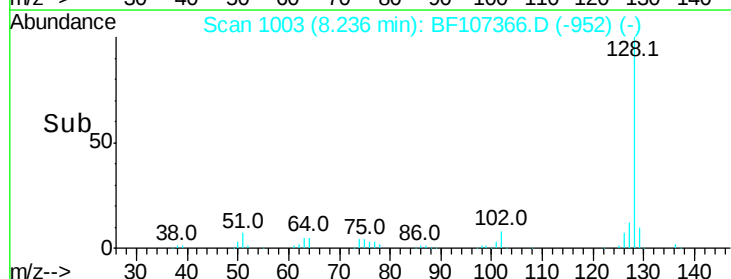
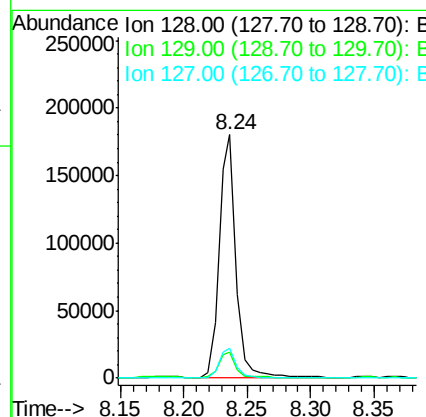
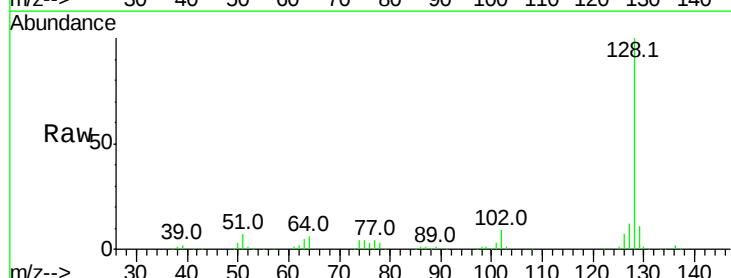
RT: 8.24 min Scan# 1003

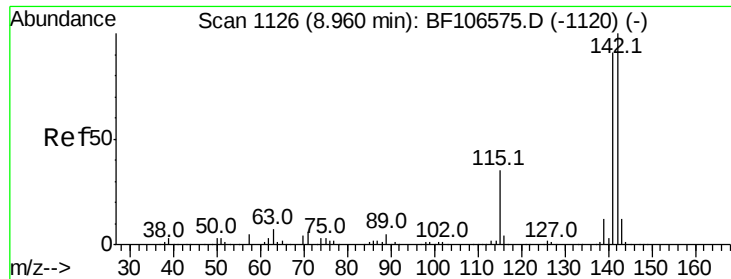
Delta R.T. 0.00 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	128	Resp:	170176
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.8	13.2
127	12.4	10.9	16.3





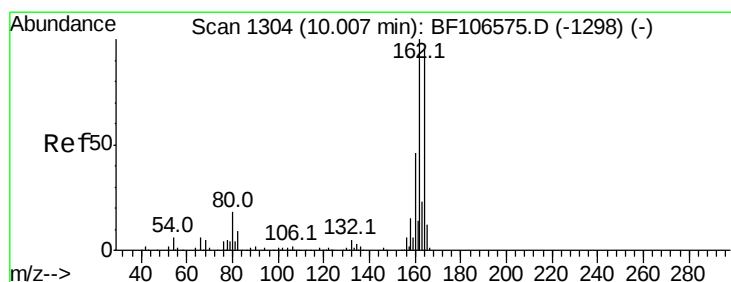
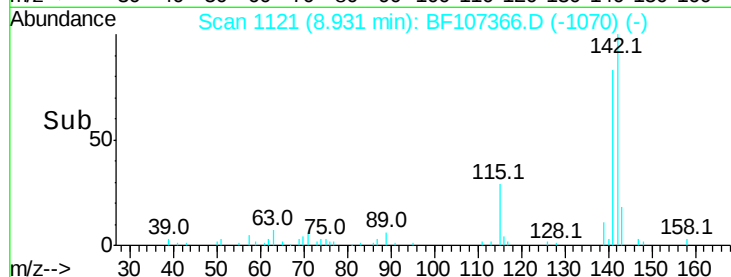
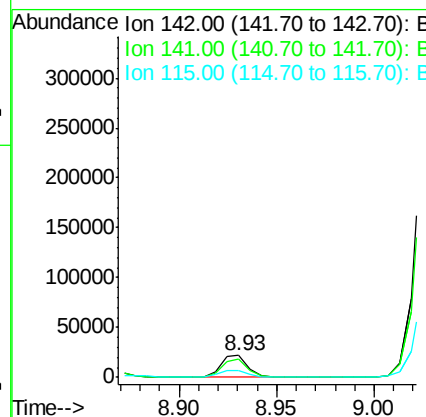
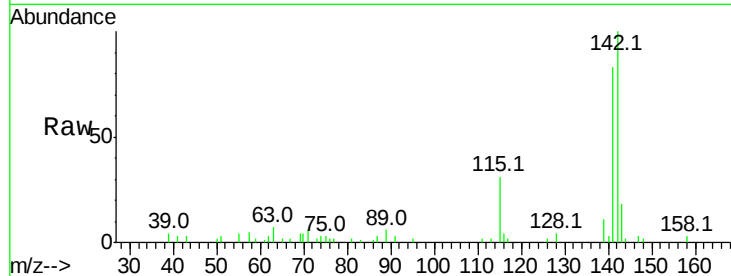
#37
2-Methylnaphthalene
Concen: 4.674 ng
RT: 8.93 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.0	70.8	106.2
115	31.3	26.1	39.1

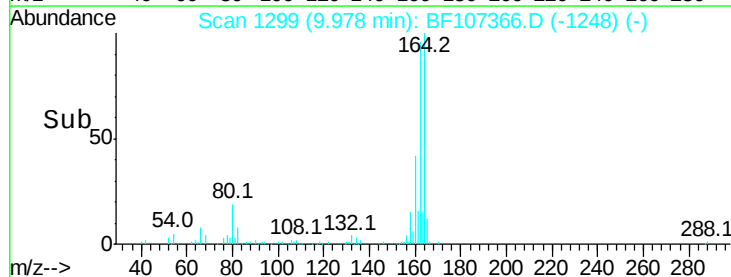
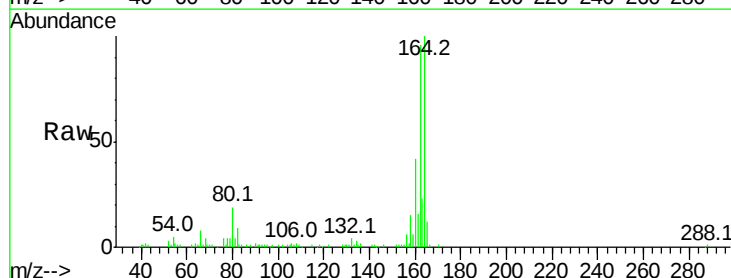
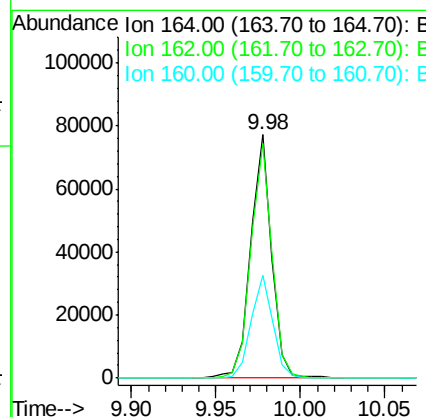
Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.3	86.1	129.1
160	42.1	38.3	57.5





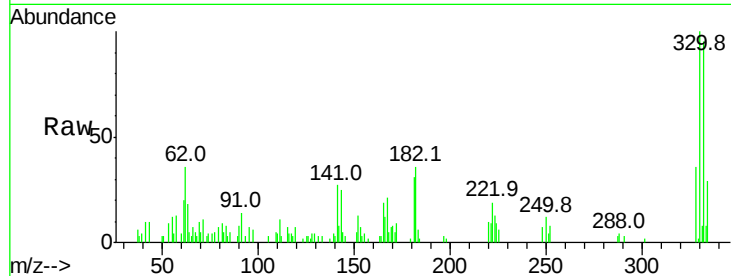
#41
 2,4,6-Tribromophenol
 Concen: 16.363 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF107366.D
 Acq: 13 Jul 2018 14:49

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

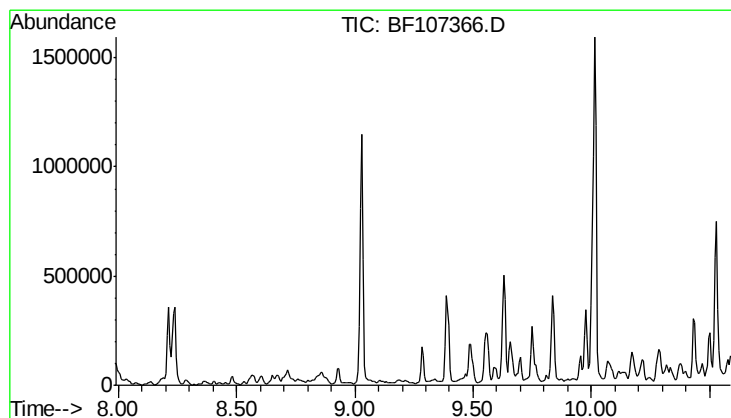
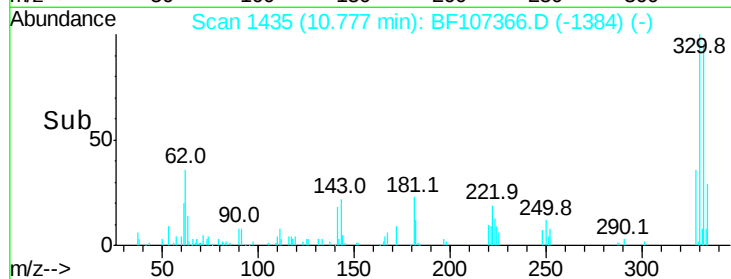
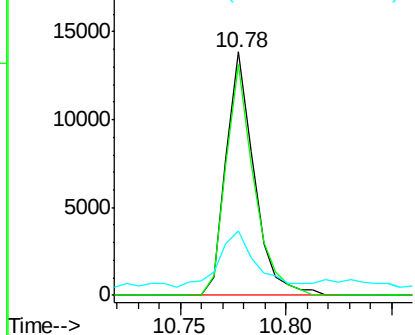
Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.6	77.0	115.6
141	29.4	29.9	44.9#

Manual Integrations
 APPROVED

Sohil
 7/16/2018 3:22:18 PM

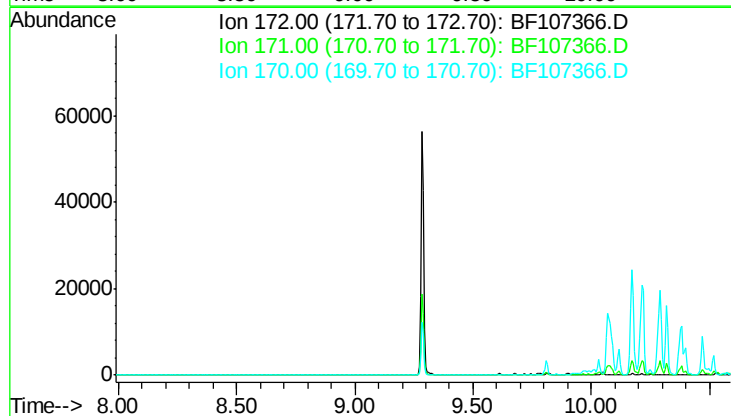


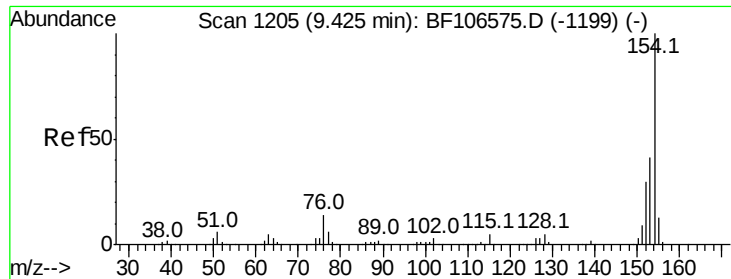
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.29 min
 Lab File: BF107366.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Exp Ratio
172	100
171	37.1
170	24.5





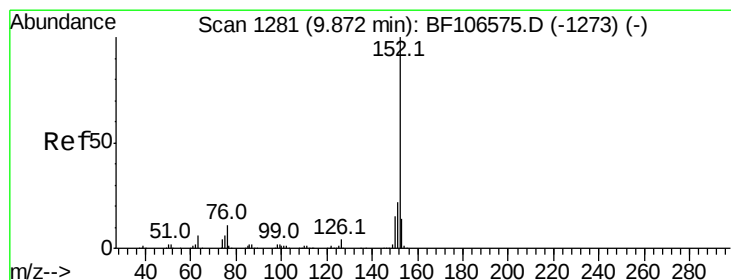
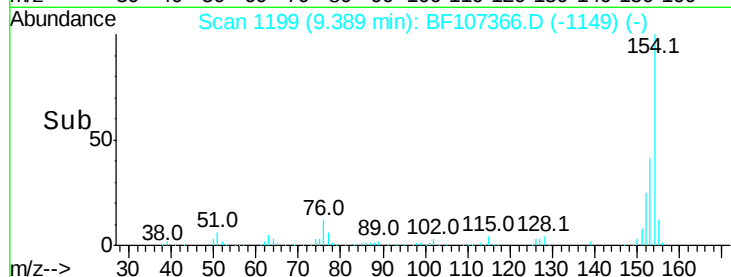
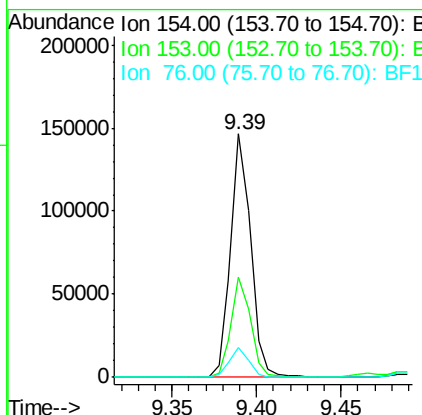
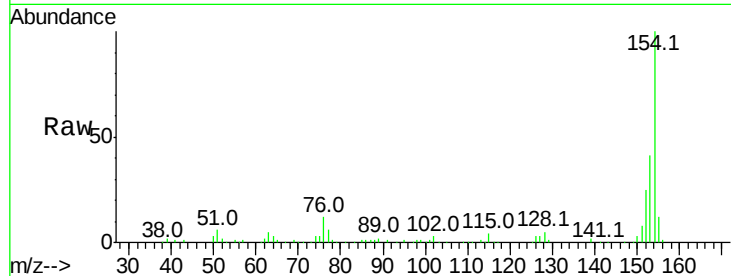
#45
 1,1'-Biphenyl
 Concen: 22.833 ng
 RT: 9.39 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF107366.D
 Acq: 13 Jul 2018 14:49

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.1	21.3	61.3	
76	12.4	0.0	34.0	

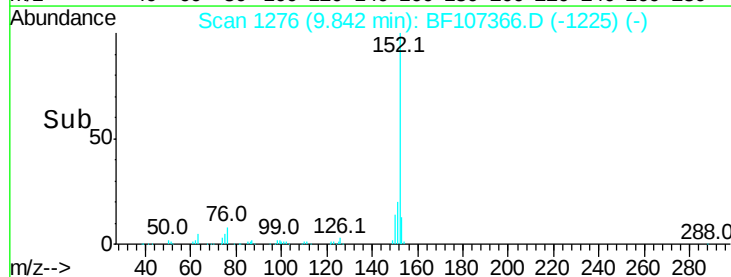
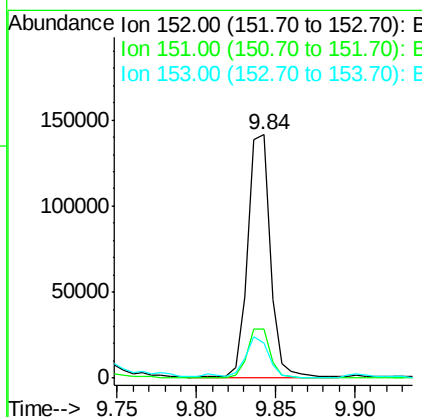
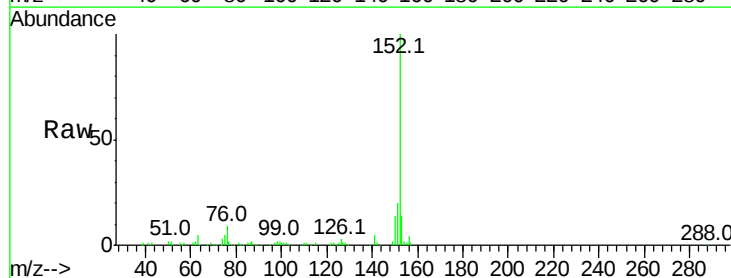
Manual Integrations
 APPROVED

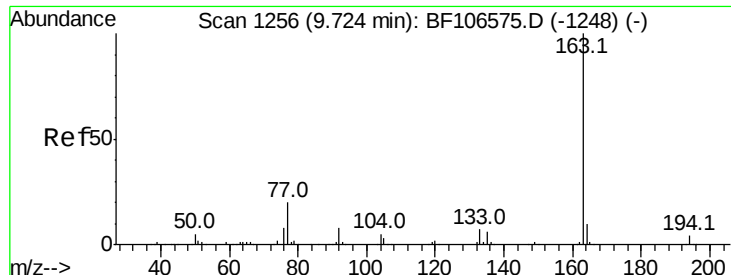
Sohil
 7/16/2018 3:22:18 PM



#48
 Acenaphthylene
 Concen: 20.973 ng
 RT: 9.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: BF107366.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.0	16.3	24.5	
153	14.4	10.7	16.1	





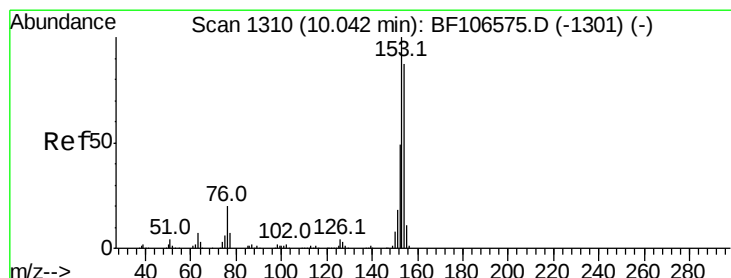
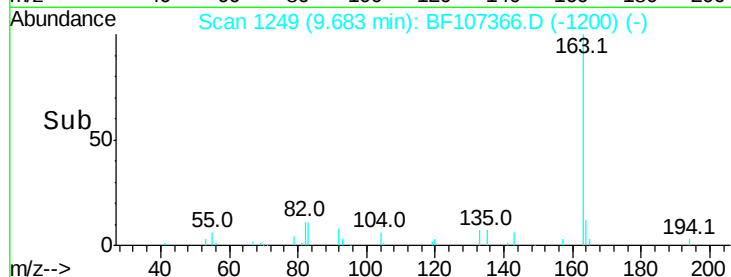
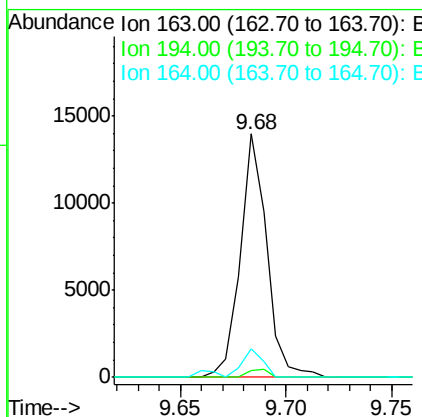
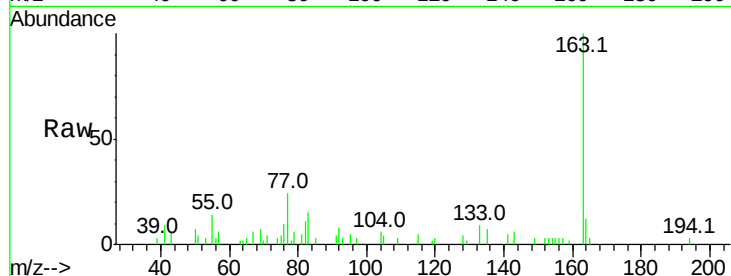
#49
Dimethylphthalate
Concen: 2.406 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Resp	Lower	Upper
163	100	12109		
194	2.9		2.7	4.1
164	11.9		8.2	12.2

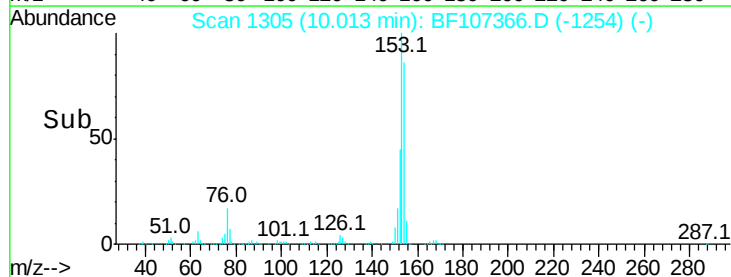
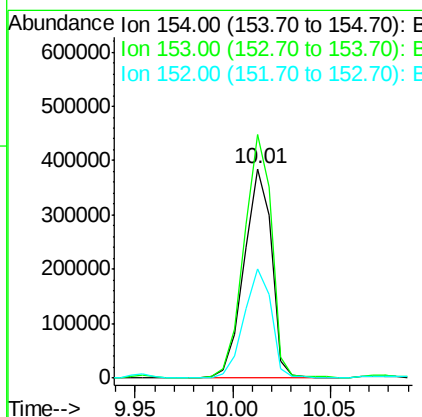
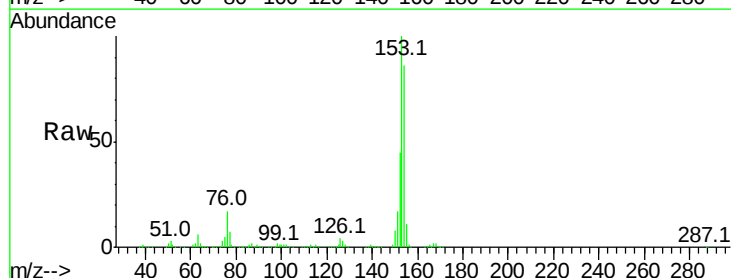
Manual Integrations
APPROVED

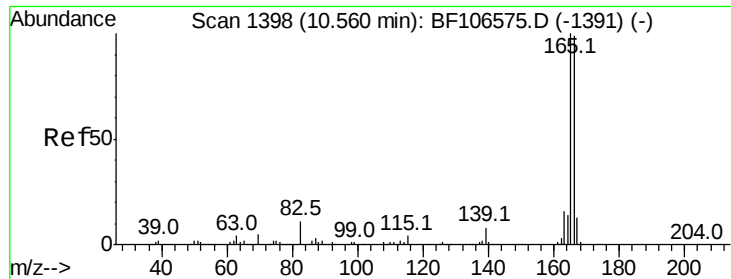
Sohil
7/16/2018 3:22:18 PM



#51
Acenaphthene
Concen: 89.423 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	374190		
153	116.3		91.2	136.8
152	52.1		43.8	65.8





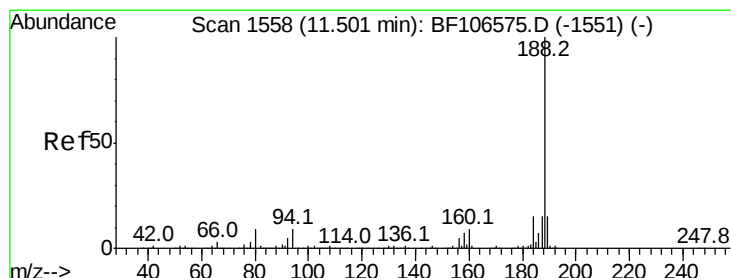
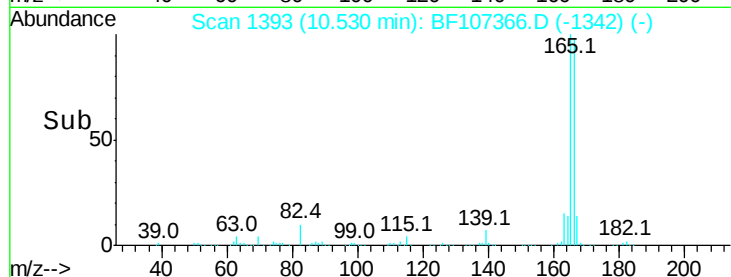
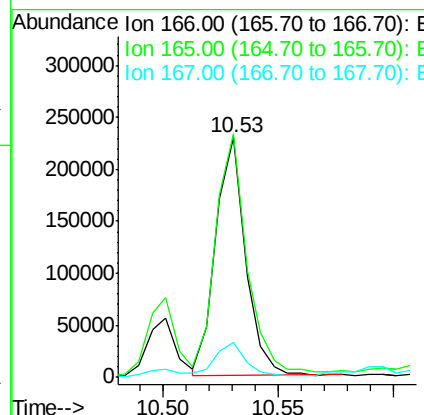
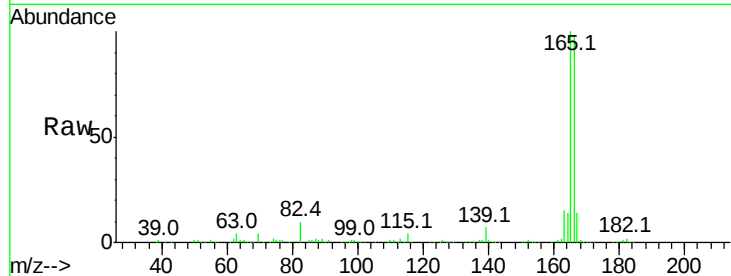
#57
Fluorene
 Concen: 45.125 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: BF107366.D
 Acq: 13 Jul 2018 14:49

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.8	119.8
167	14.4	10.6	16.0

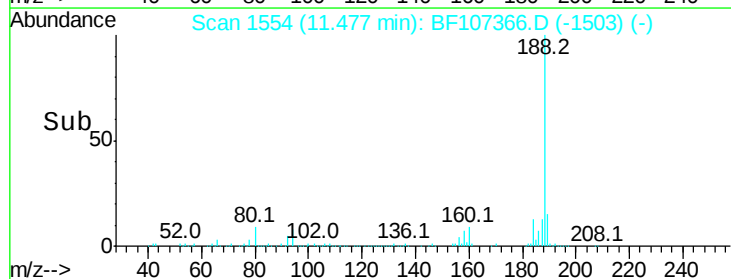
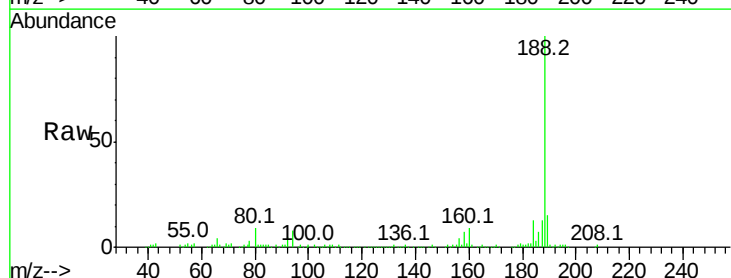
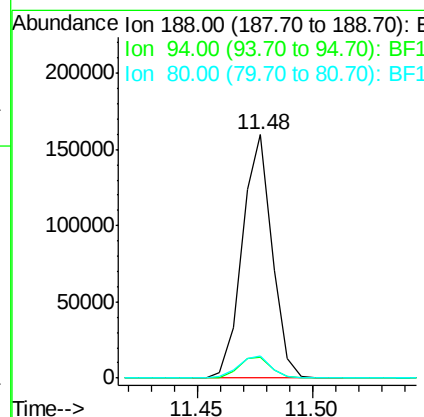
Manual Integrations
 APPROVED

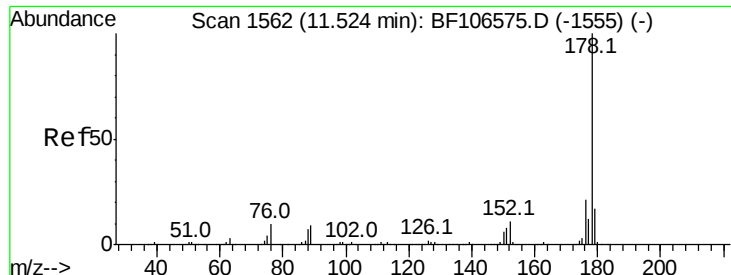
Sohil
 7/16/2018 3:22:18 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: BF107366.D
 Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.1	9.2	13.8#





#70

Phenanthrene

Concen: 93.495 ng

RT: 11.51 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Instrument :

BNA_F

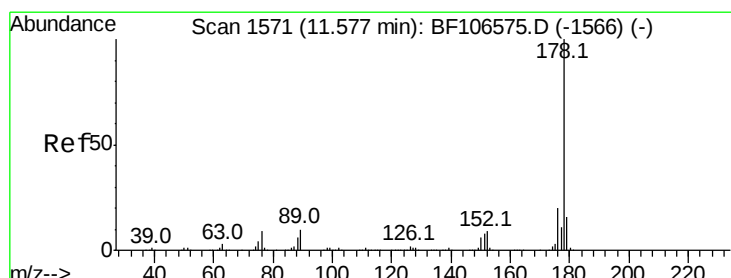
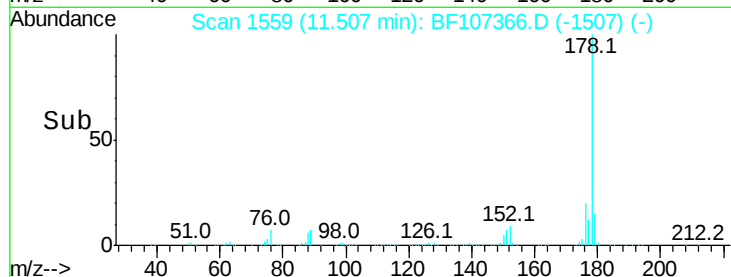
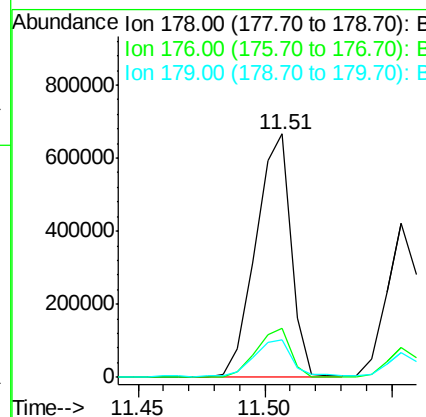
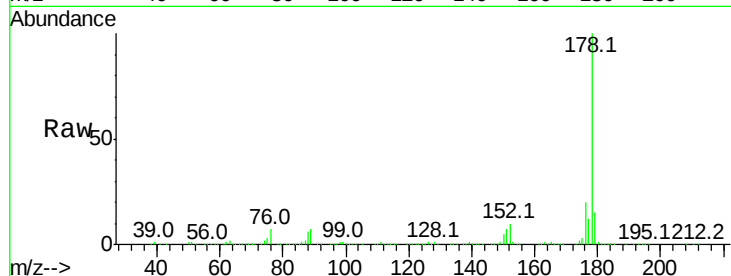
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:178	Resp:	646687
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.8 23.8
179	15.4	13.0 19.6

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM



#71

Anthracene

Concen: 51.901 ng

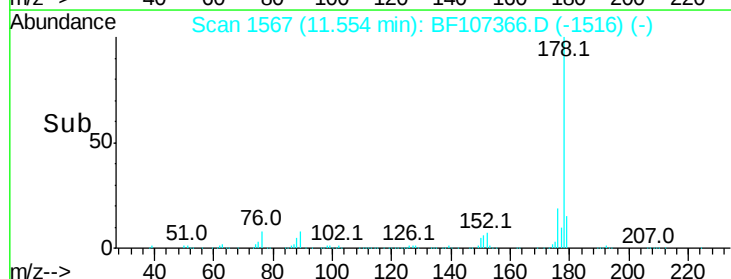
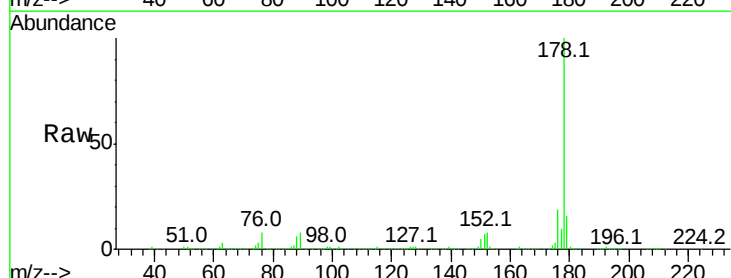
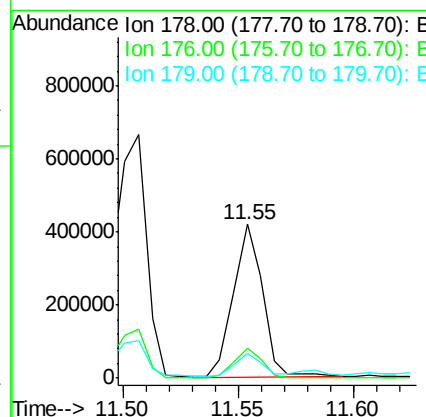
RT: 11.55 min Scan# 1567

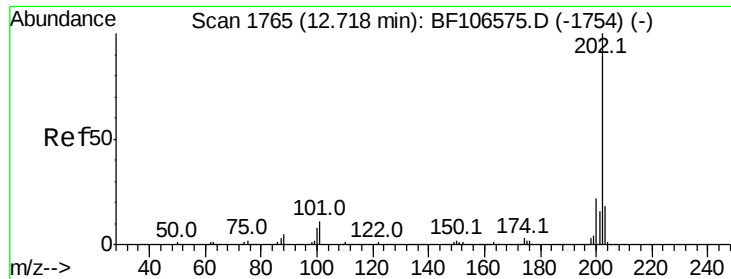
Delta R.T. 0.00 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Tgt Ion:178	Resp:	366423
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.4 23.2
179	15.8	12.6 19.0





#74

Fluoranthene

Concen: 95.564 ng

RT: 12.71 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Instrument :

BNA_F

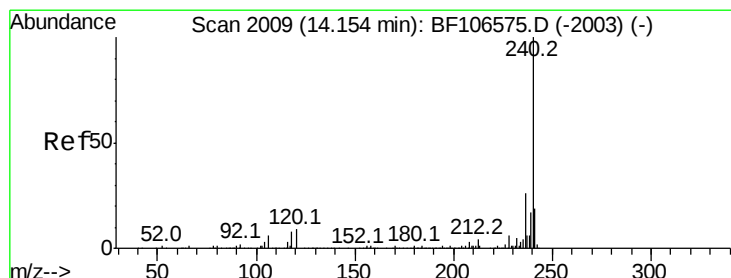
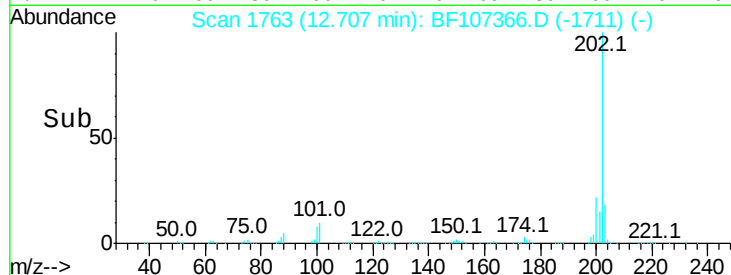
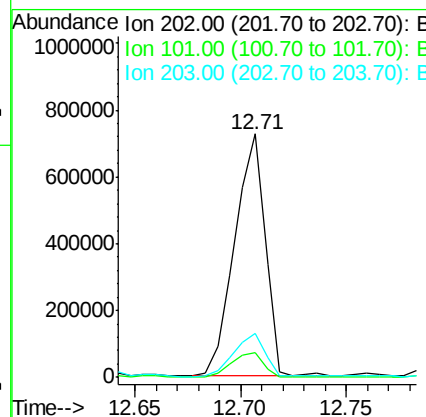
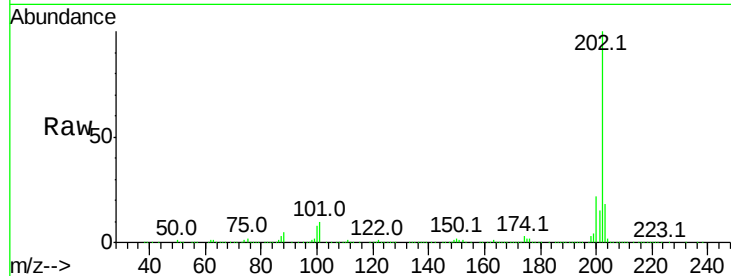
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM



#75

Chrysene-d12

Concen: 20.000 ng

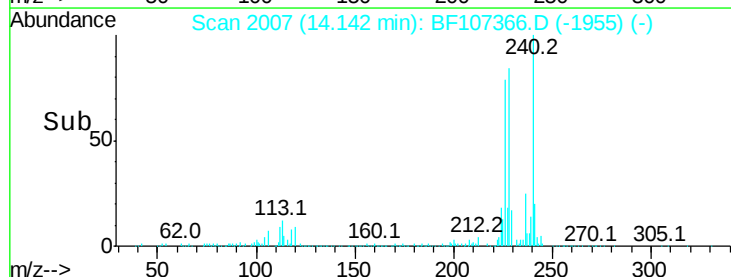
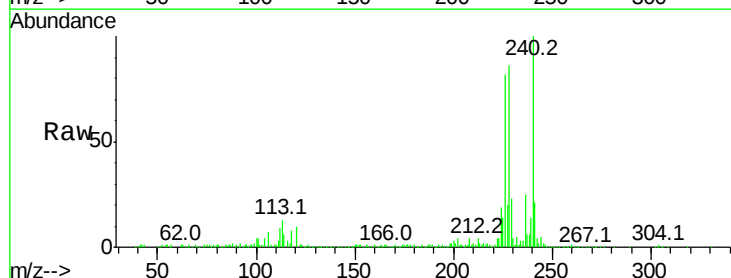
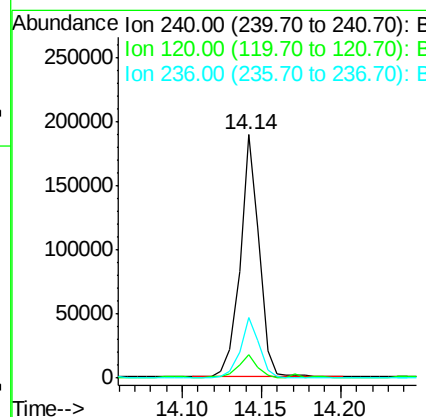
RT: 14.14 min Scan# 2007

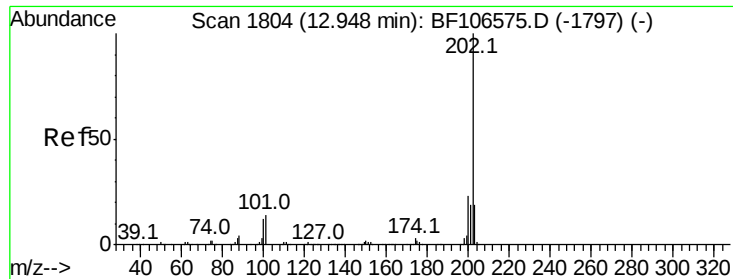
Delta R.T. 0.01 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	9.5	14.3
236	25.0	20.7	31.1





#77

Pvrene

Concen: 93.120 ng

RT: 12.94 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Instrument :

BNA_F

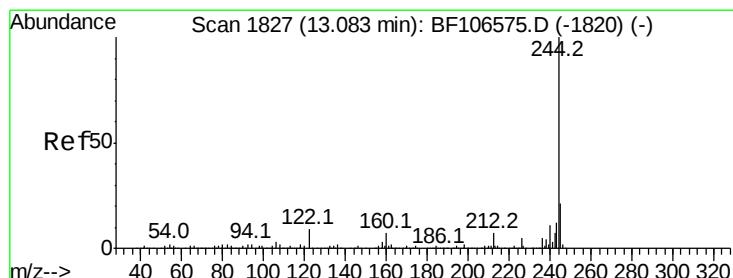
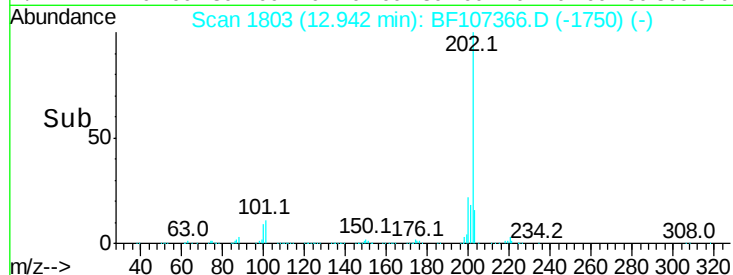
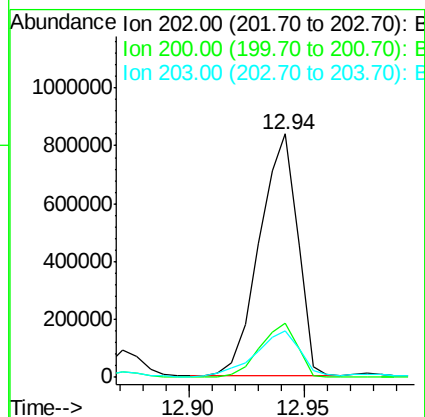
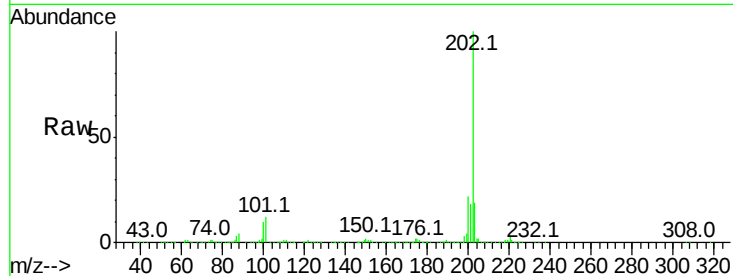
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	202	Resp:	959033
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.4	26.2
203	19.0	14.3	21.5

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM



#78

Terphenyl-d14

Concen: 10.780 ng

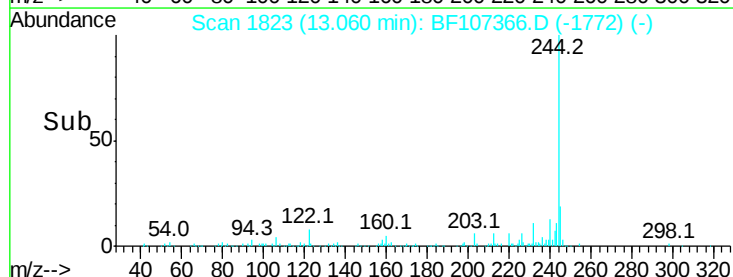
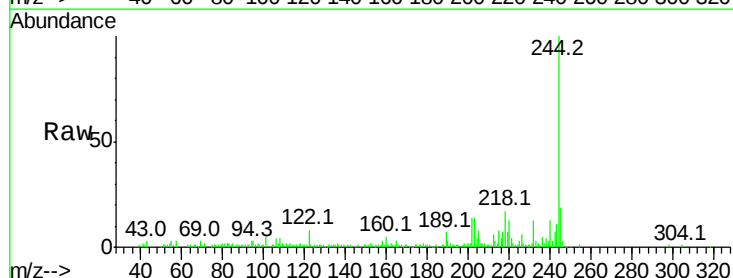
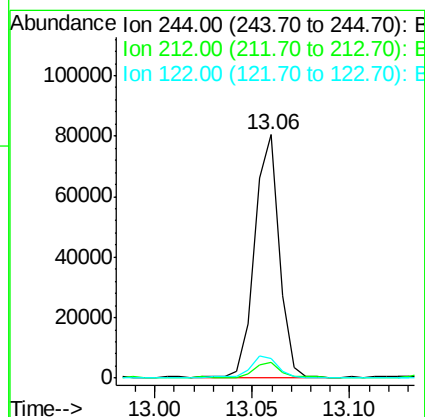
RT: 13.06 min Scan# 1823

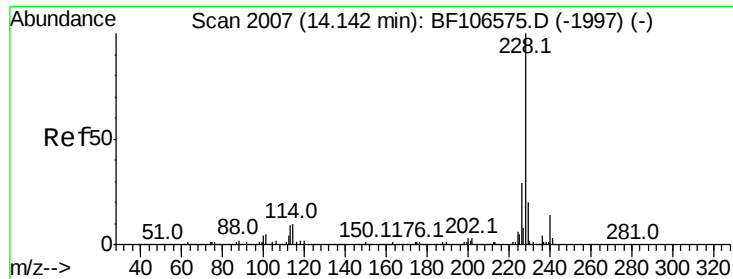
Delta R.T. 0.00 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	244	Resp:	69502
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	8.2	11.0	16.4#





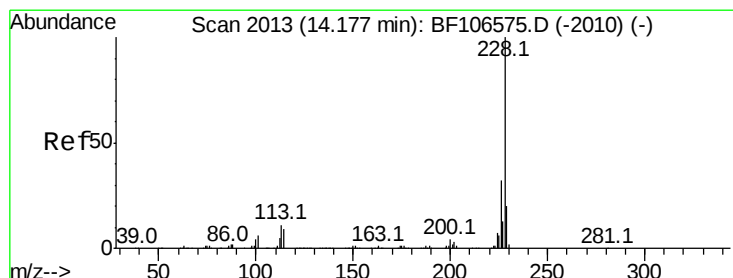
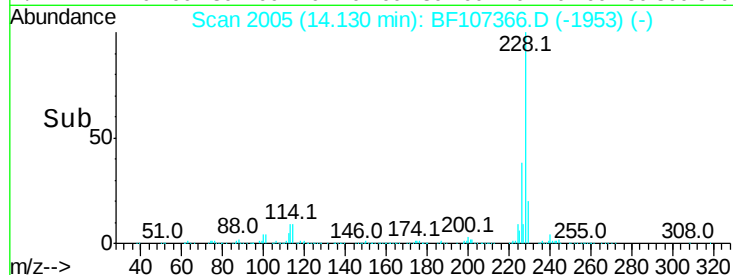
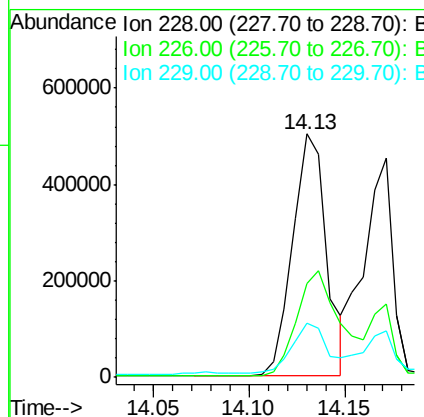
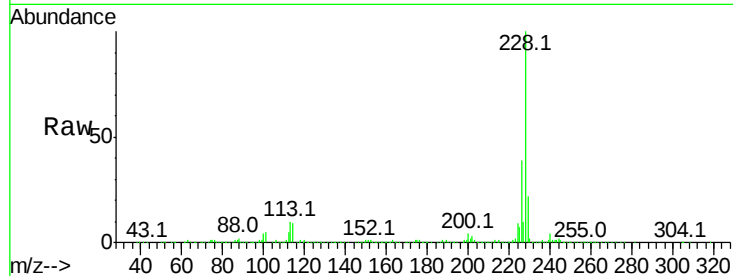
#80
Benzo(a)anthracene
Concen: 64.731 ng m
RT: 14.13 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.5	22.6	33.8#
229	22.4	15.8	23.6

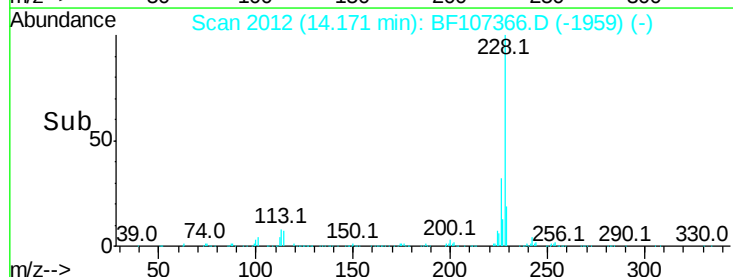
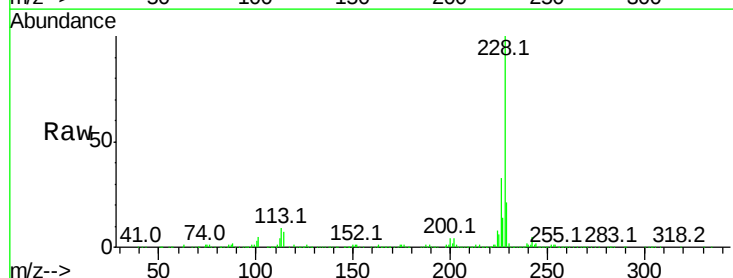
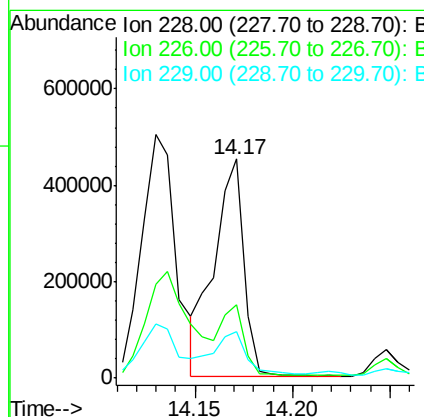
Manual Integrations
APPROVED

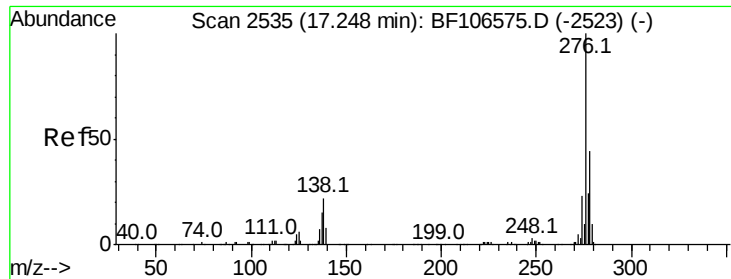
Sohil
7/16/2018 3:22:18 PM



#82
Chrysene
Concen: 54.980 ng
RT: 14.17 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.0	37.6
229	21.4	16.2	24.4





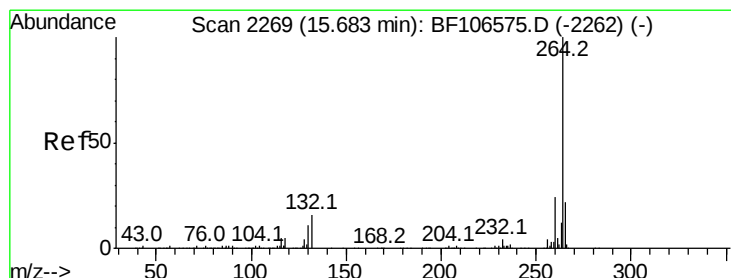
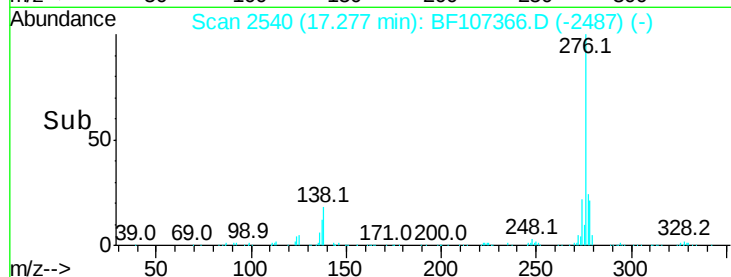
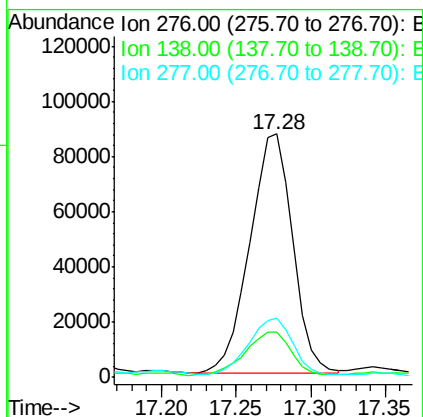
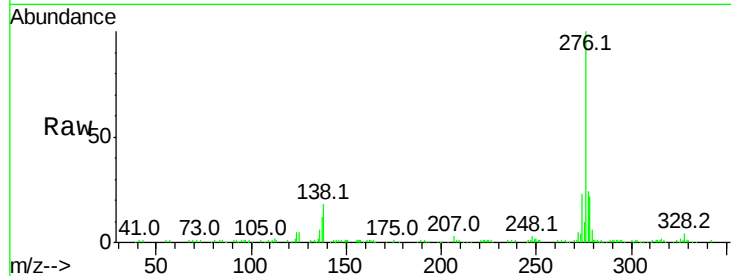
#85
Indeno(1,2,3-cd)pyrene
Concen: 23.103 ng
RT: 17.28 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	25.0	37.6#
277	23.7	20.1	30.1

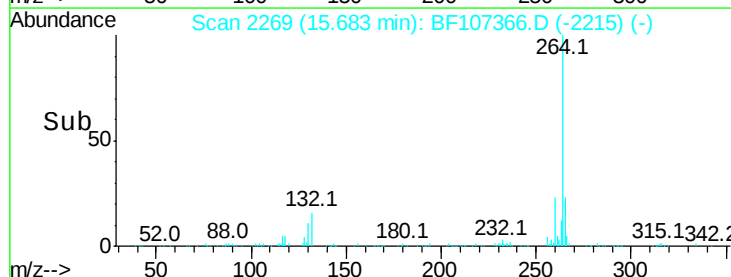
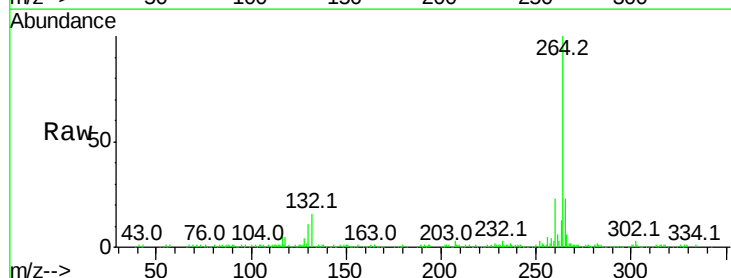
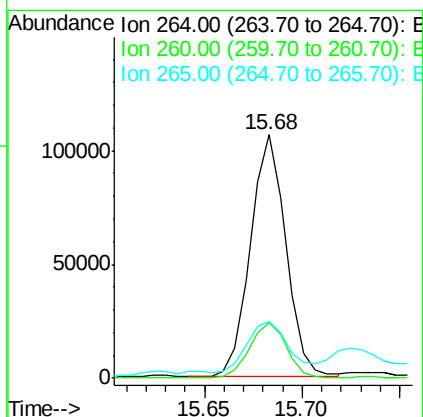
Manual Integrations
APPROVED

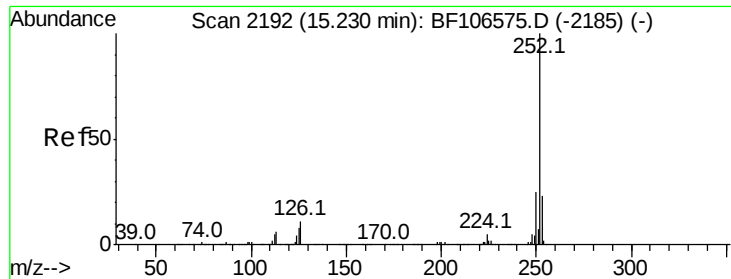
Sohil
7/16/2018 3:22:18 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	23.4	17.5	26.3





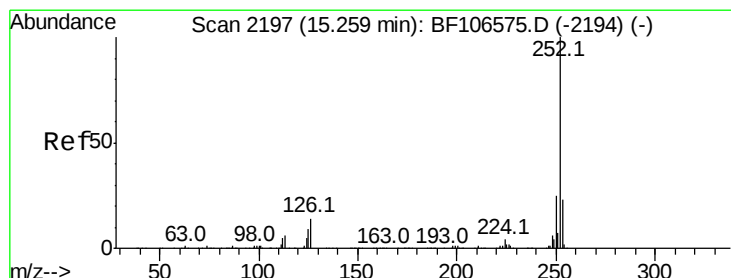
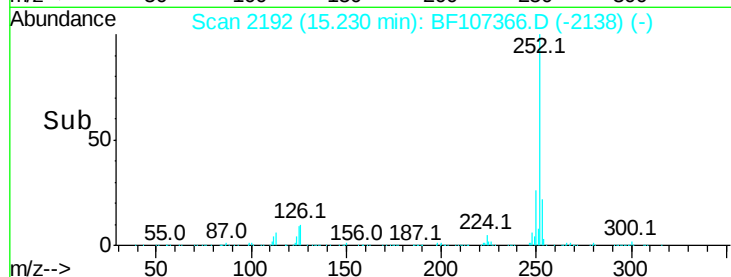
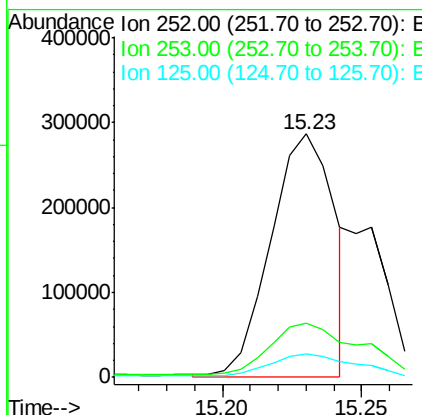
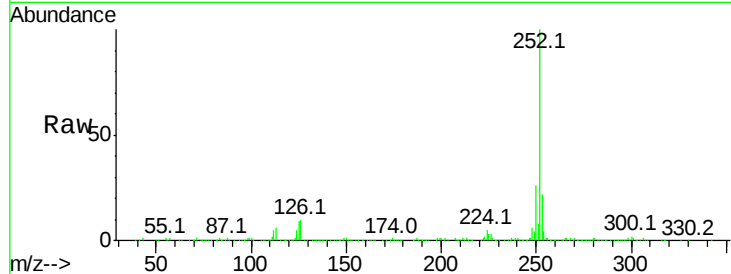
#87
Benzo(b)fluoranthene
Concen: 54.971 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	9.4	9.0	13.6

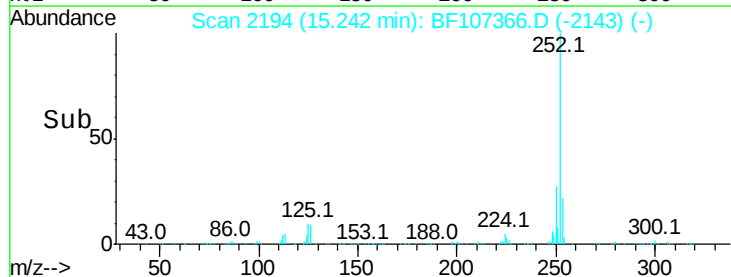
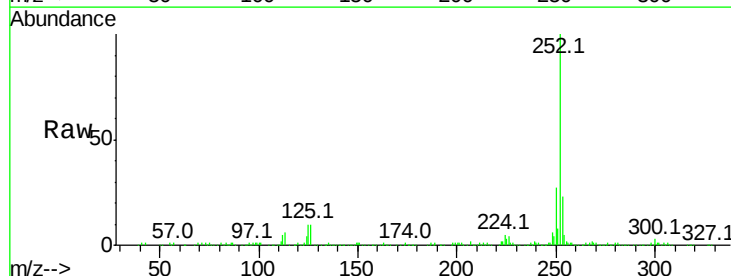
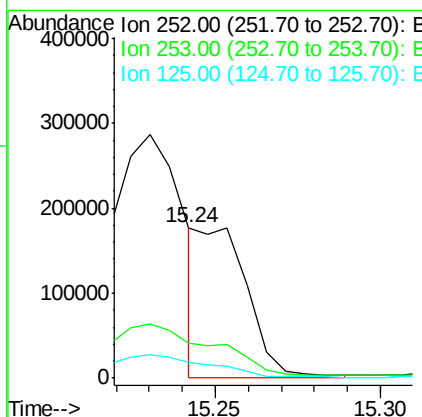
Manual Integrations
APPROVED

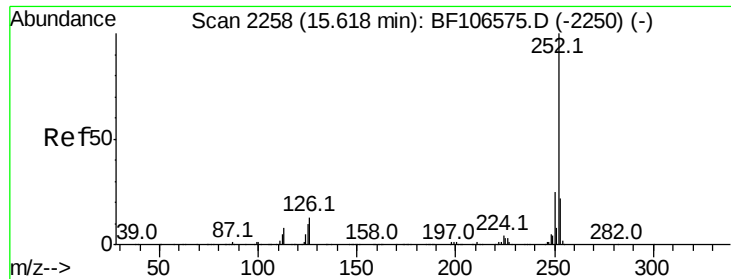
Sohil
7/16/2018 3:22:18 PM



#88
Benzo(k)fluoranthene
Concen: 22.619 ng m
RT: 15.24 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF107366.D
Acq: 13 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 64.809 ng/mL

RT: 15.62 min Scan# 2259

Delta R.T. 0.02 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Instrument :

BNA_F

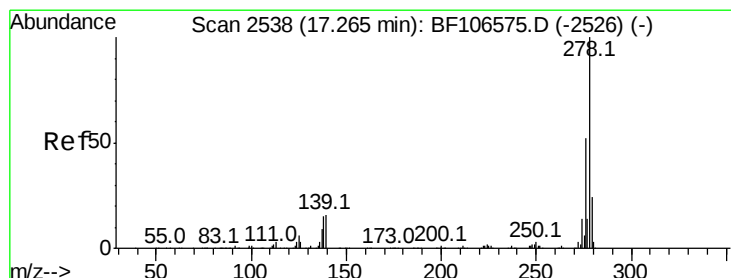
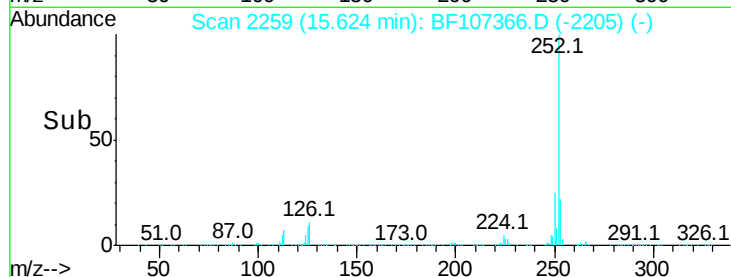
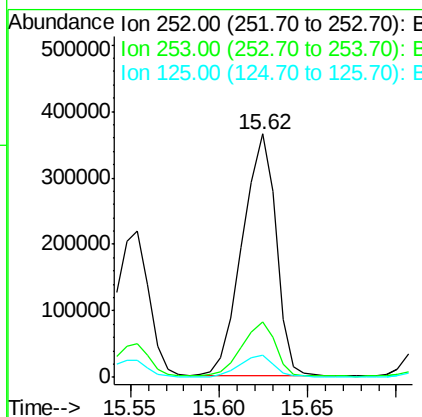
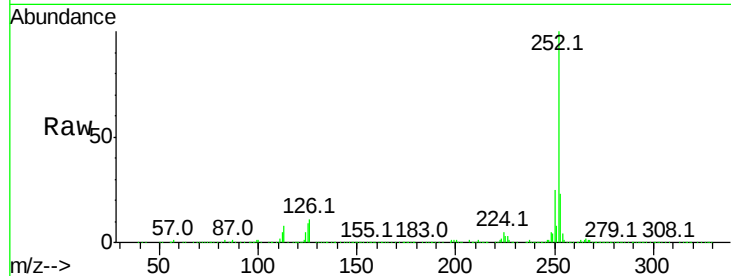
ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion:	252	Resp:	477400
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	9.0	9.8	14.6

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:18 PM



#90

Dibenzo(a,h)anthracene

Concen: 7.860 ng/mL

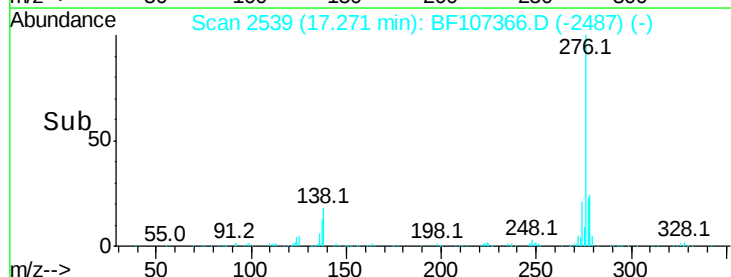
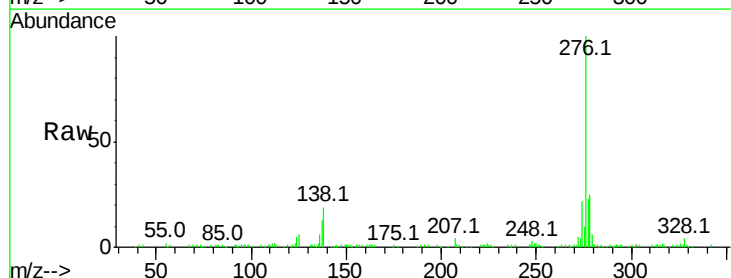
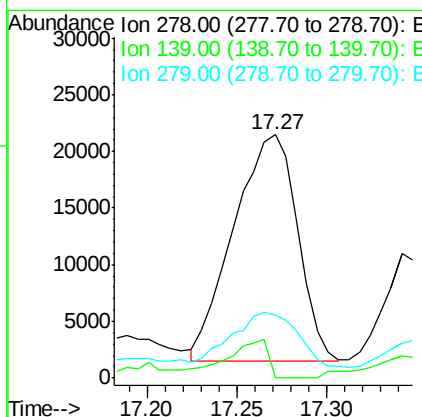
RT: 17.27 min Scan# 2539

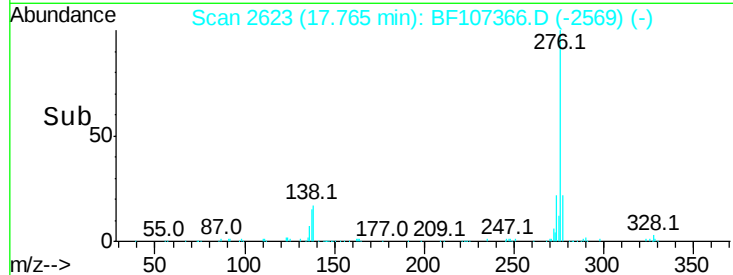
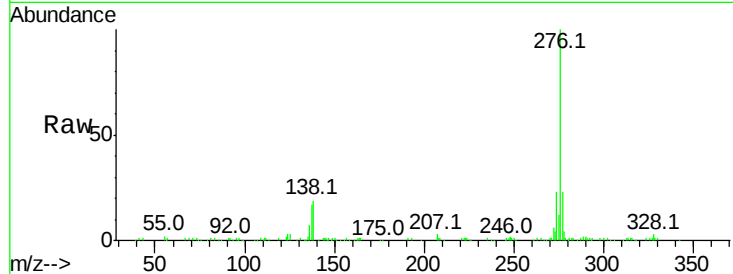
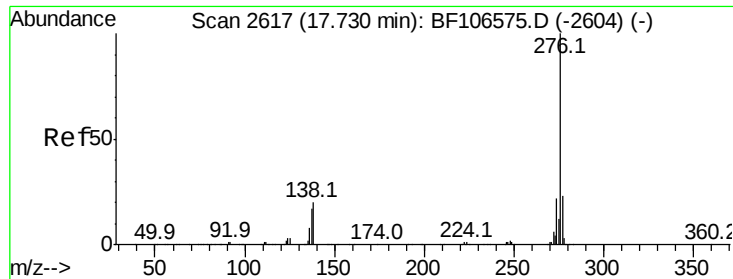
Delta R.T. 0.01 min

Lab File: BF107366.D

Acq: 13 Jul 2018 14:49

Tgt Ion:	278	Resp:	49069
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9
279	26.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 31.448 ng
 RT: 17.77 min Scan# 2623
 Delta R.T. 0.02 min
 Lab File: BF107366.D
 Acq: 13 Jul 2018 14:49

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-ST-PH4-AREA

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	19.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/16/2018 3:22:18 PM

