

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107879.D
 Acq On : 1 Aug 2018 5:03
 Operator : JU/SJ
 Sample : J4231-15DL 25X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8DL

Manual Integrations
 APPROVED

Sohil
 8/1/2018 3:57:47 PM

Quant Time: Aug 01 06:49:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	106894	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	510450	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	198321	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	384007	20.00	ng	0.00
75) Chrysene-d12	14.15	240	375210	20.00	ng	0.00
86) Perylene-d12	15.68	264	289526	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	768	0.12	ng	0.04
7) Phenol-d6	6.73	99	22484m	2.71	ng	0.12
23) Nitrobenzene-d5	7.58	82	3488	0.39	ng	0.05
41) 2,4,6-Tribromophenol	10.81	330	5980	2.22	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	43686	3.07	ng	0.00
78) Terphenyl-d14	13.08	244	57260	3.31	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.27	128	2290578	96.535	ng	98
37) 2-Methylnaphthalene	8.96	142	328686	22.053	ng	99
45) 1,1'-Biphenyl	9.42	154	181114	10.035	ng	98
48) Acenaphthylene	9.87	152	84893	4.023	ng	97
51) Acenaphthene	10.04	154	700253	57.131	ng	100
54) Dibenzofuran	10.22	168	52915	2.793	ng	94
57) Fluorene	10.55	166	338488	22.990	ng	92
70) Phenanthrene	11.53	178	1800204	98.729	ng	99
71) Anthracene	11.58	178	865712	41.163	ng	99
74) Fluoranthene	12.72	202	1129779	52.741	ng	98
77) Pyrene	12.95	202	1509272	55.861	ng	99
80) Benzo(a)anthracene	14.14	228	432631m	20.355	ng	
82) Chrysene	14.18	228	358024	15.617	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	102711	5.890	ng	# 91
87) Benzo(b)fluoranthene	15.23	252	218799m	15.323	ng	
88) Benzo(k)fluoranthene	15.25	252	112390m	6.411	ng	
89) Benzo(a)pyrene	15.62	252	269075	18.253	ng	98
91) Benzo(g,h,i)perylene	17.75	276	115920	9.317	ng	97

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

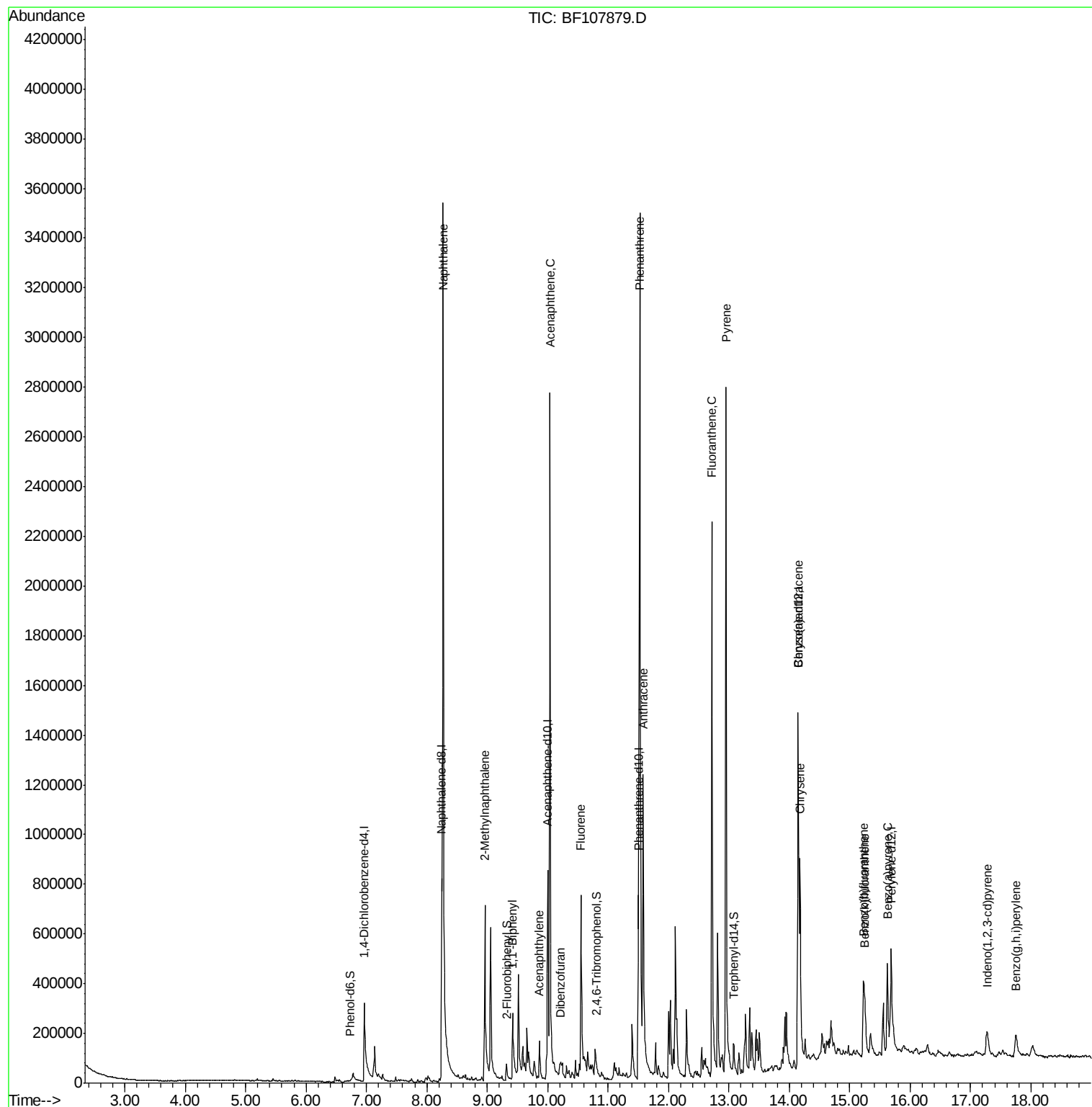
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107879.D
Acq On : 1 Aug 2018 5:03
Operator : JU/SJ
Sample : J4231-15DL 25X
Misc :
ALS Vial : 30 Sample Multiplier: 1

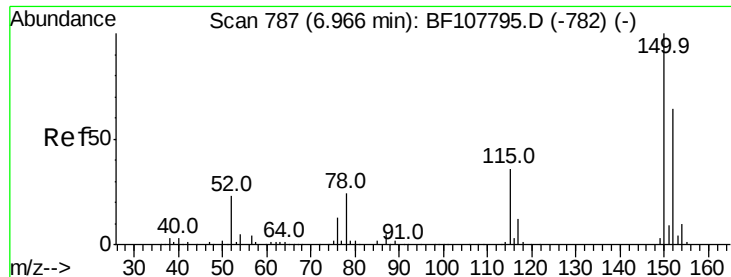
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Manual Integrations
APPROVED

Sohil
8/1/2018 3:57:47 PM

Quant Time: Aug 01 06:49:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration





#1

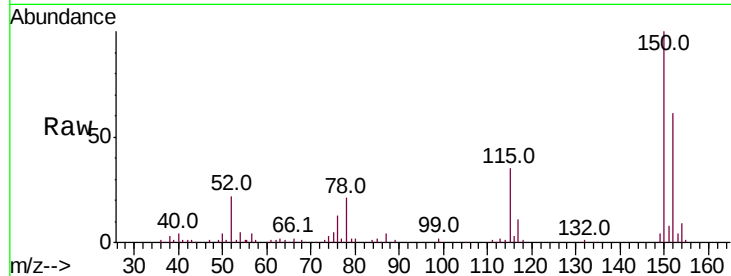
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	124.6	186.8
115	57.3	50.1	75.1

Manual Integrations
APPROVED

Sohil
8/1/2018 3:57:47 PM

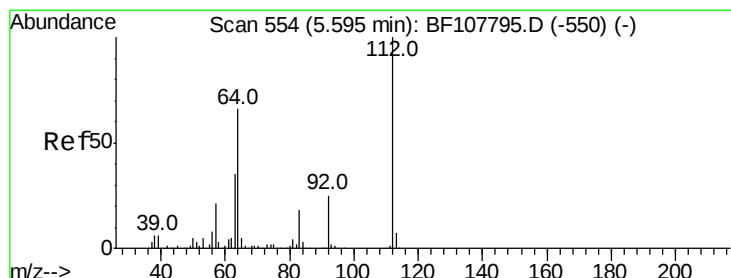
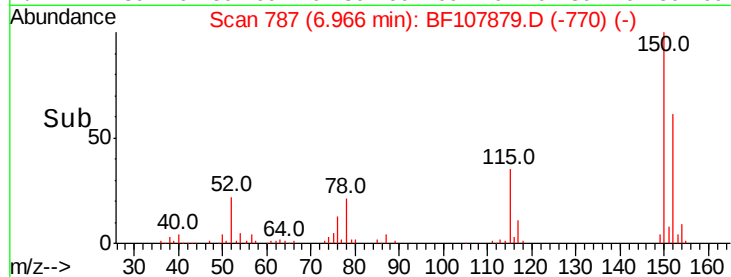
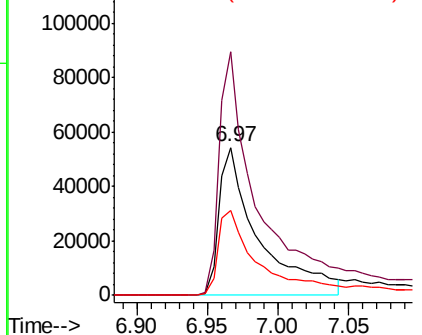


Abundance

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: 0.122 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.04 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

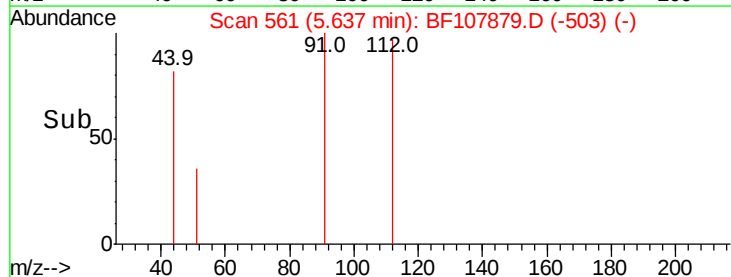
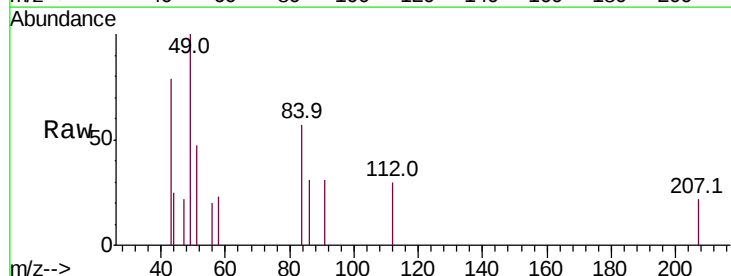
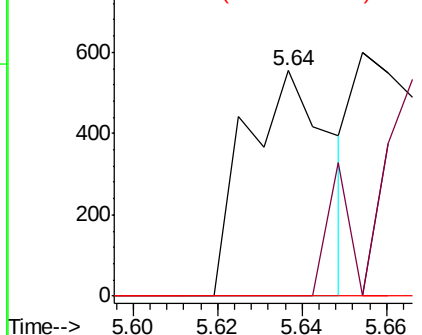
Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#

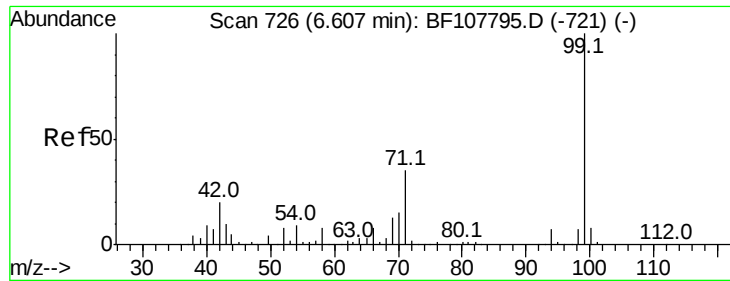
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

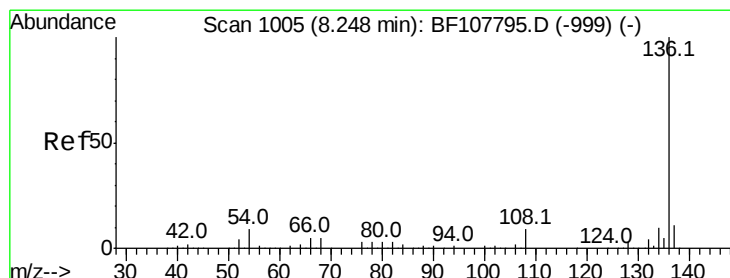
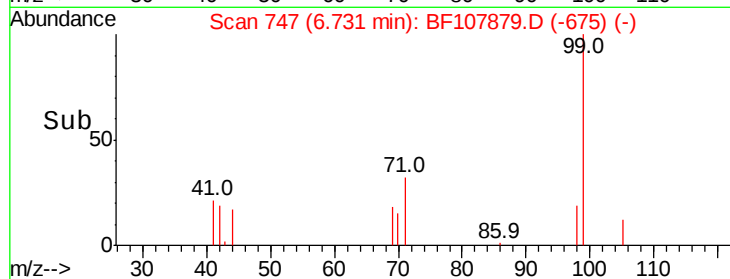
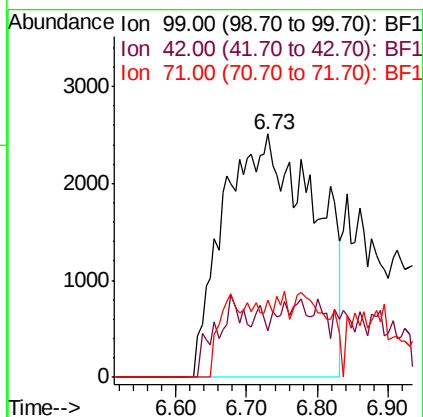
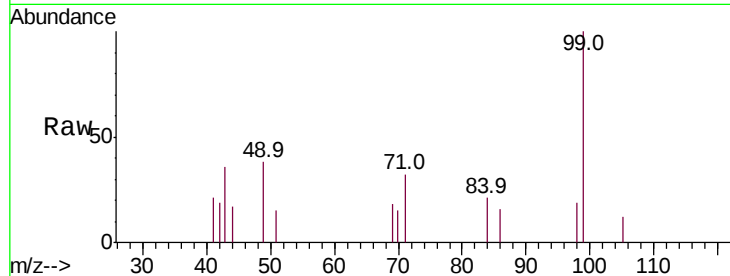
Concen: 2.712 ng/ml
 RT: 6.73 min Scan# 747
 Delta R.T. 0.12 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Resp	Lower	Upper
99	100	22484		
42	19.2		14.5	21.7
71	31.8		25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/1/2018 3:57:47 PM

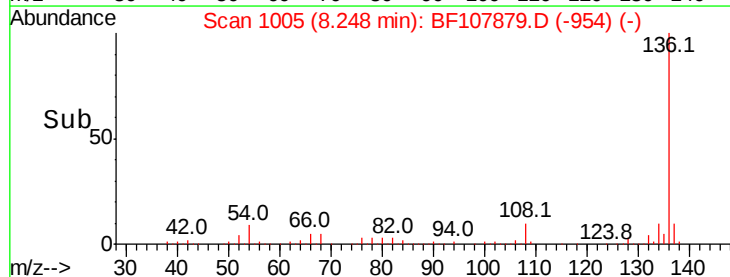
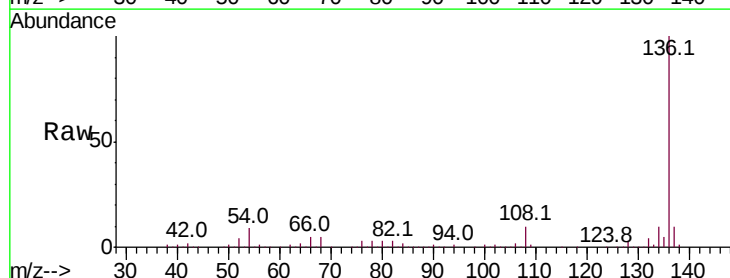
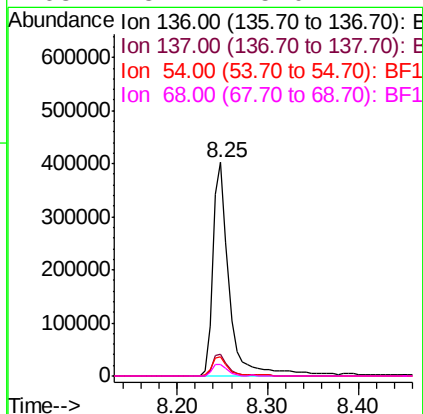


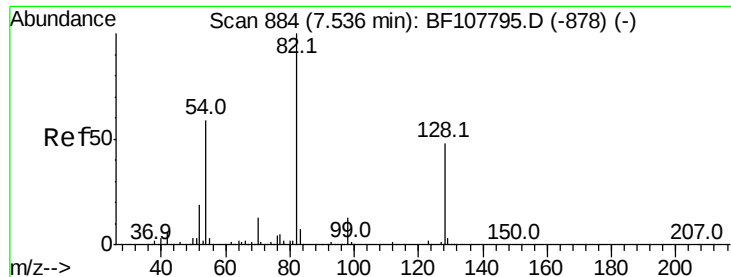
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.25 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	510450		
137	10.4		8.9	13.3
54	9.0		6.6	9.8
68	5.2		5.0	7.4





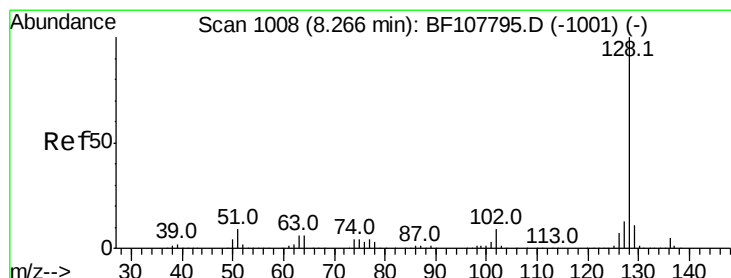
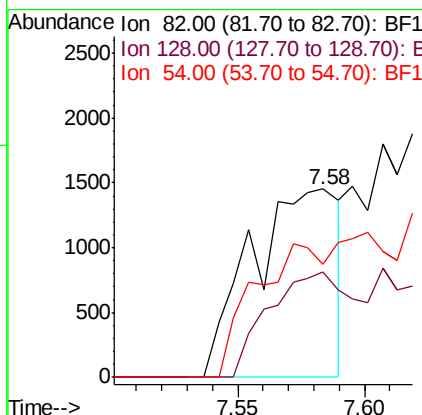
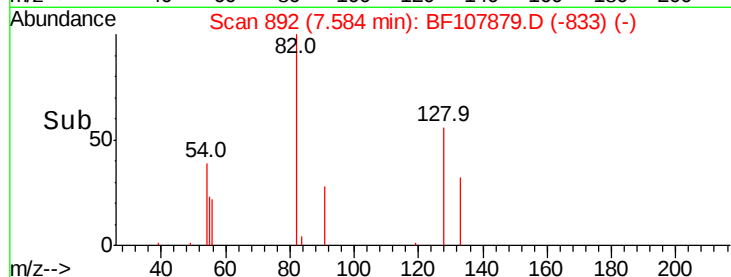
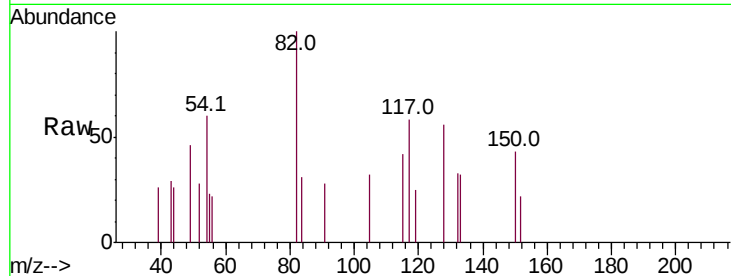
#23
Nitrobenzene-d5
Concen: 0.394 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.05 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	56.2	36.1	54.1#
54	60.2	41.4	62.2

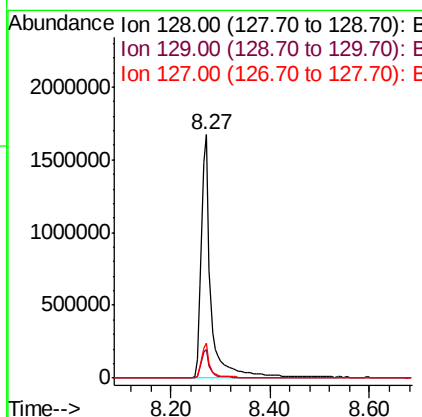
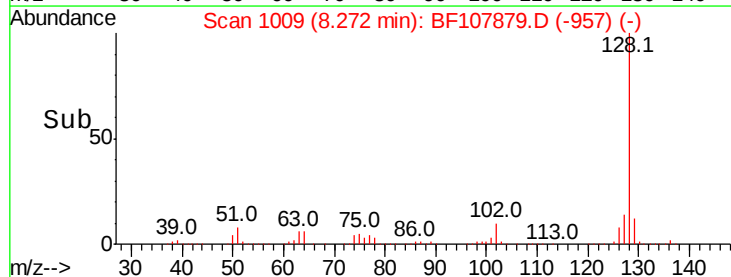
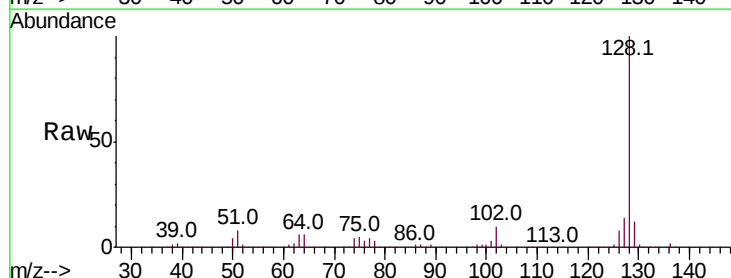
Manual Integrations
APPROVED

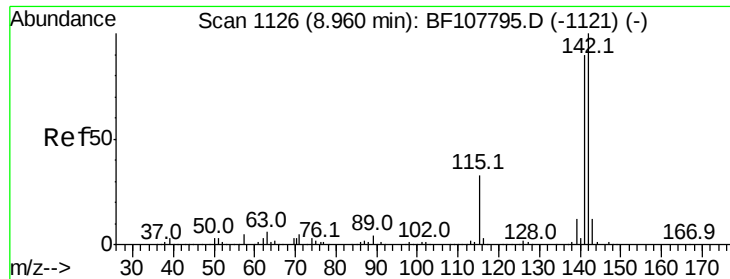
Sohil
8/1/2018 3:57:47 PM



#31
Naphthalene
Concen: 96.535 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	14.3	10.9	16.3





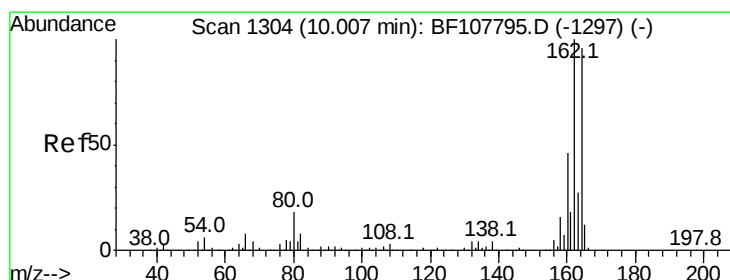
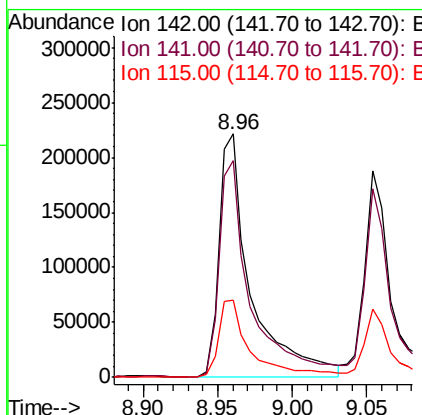
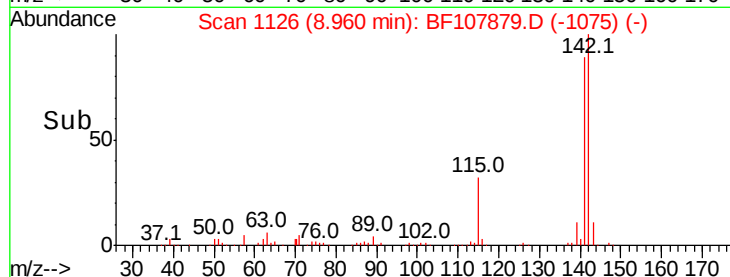
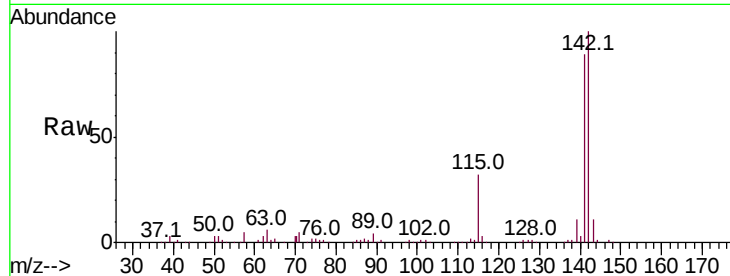
#37
2-Methylnaphthalene
Concen: 22.053 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	328686		
141	88.9	70.8	106.2	
115	31.8	26.1	39.1	

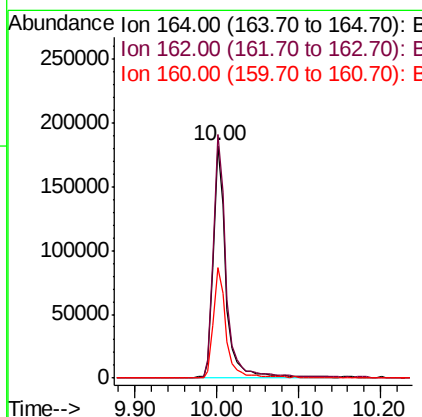
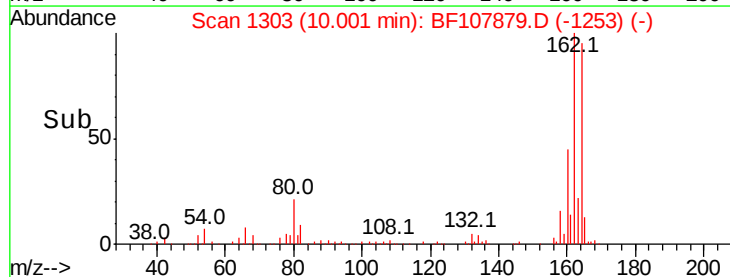
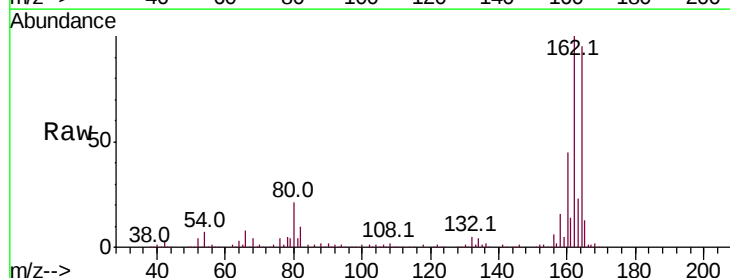
Manual Integrations
APPROVED

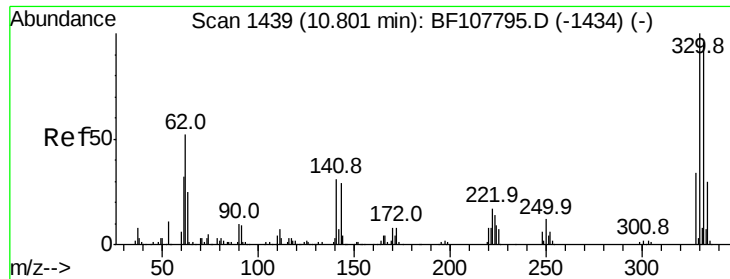
Sohil
8/1/2018 3:57:47 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	198321		
162	104.7	86.1	129.1	
160	47.5	38.3	57.5	





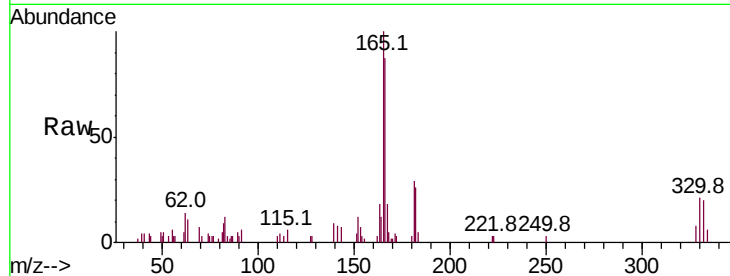
#41
 2,4,6-Tribromophenol
 Concen: 2.219 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	107.2	77.0	115.6	
141	40.1	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 8/1/2018 3:57:47 PM

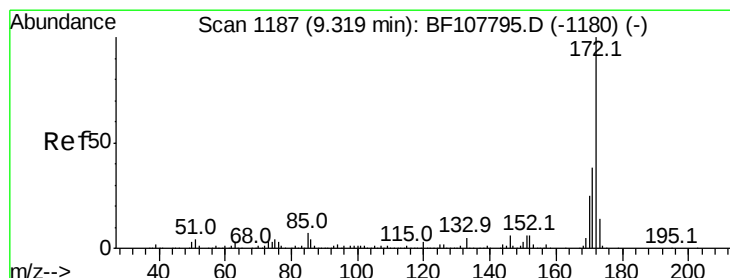
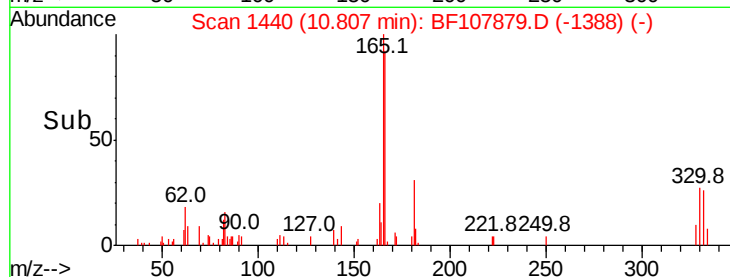
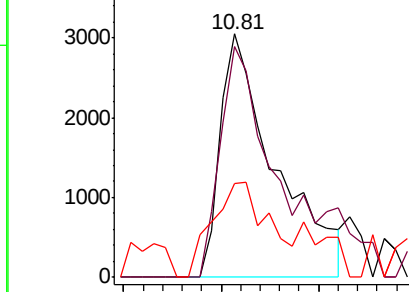


Abundance

Ion 329.80 (329.50 to 330.50): E

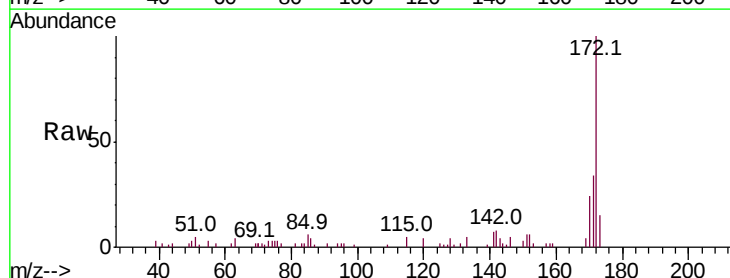
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 3.070 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.1	29.7	44.5	
170	23.8	19.6	29.4	

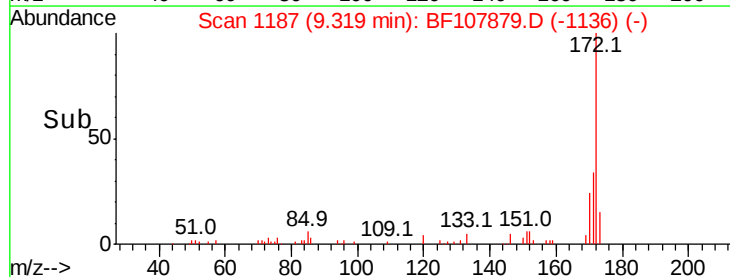
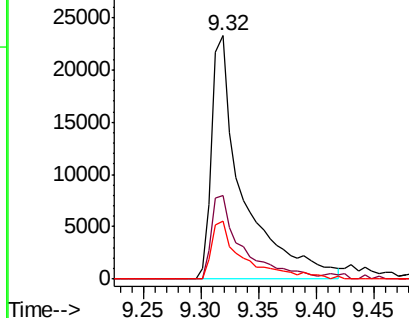


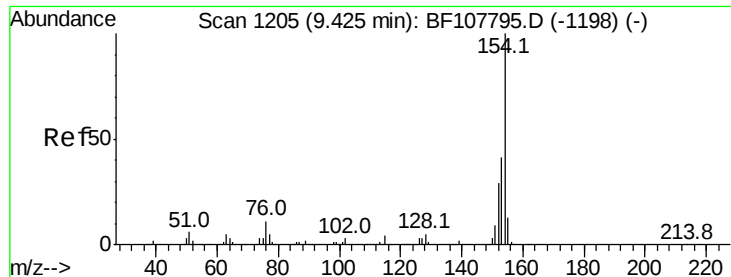
Abundance

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





#45

1,1'-Biphenyl

Concen: 10.035 ng

RT: 9.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF107879.D

Acq: 1 Aug 2018 5:03

Instrument :

BNA_F

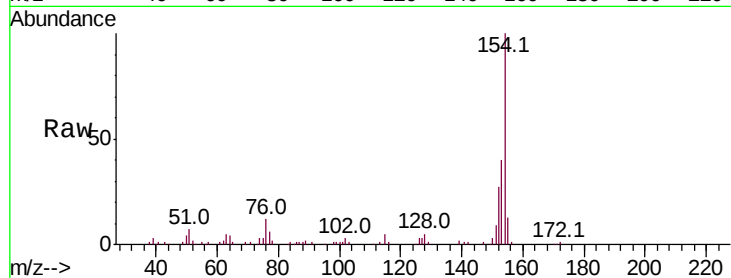
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8DL

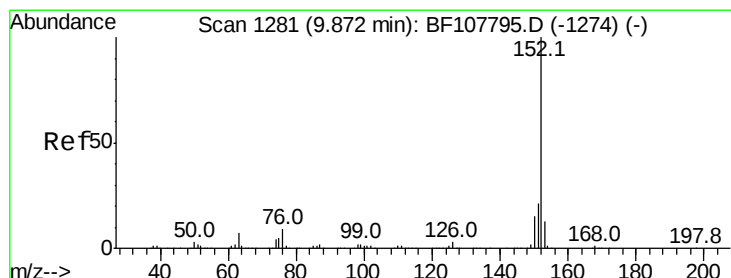
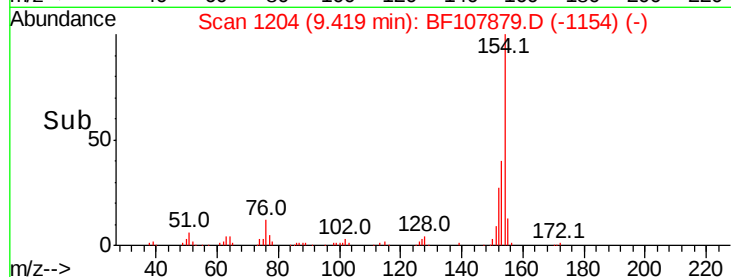
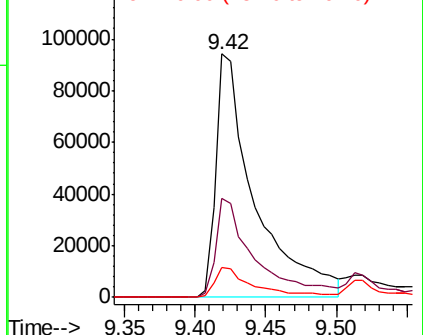
Tot Ion:	154	Resp:	181114
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.3	61.3
76	12.5	0.0	34.0

Manual Integrations
APPROVED

Sohil
8/1/2018 3:57:47 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 4.023 ng

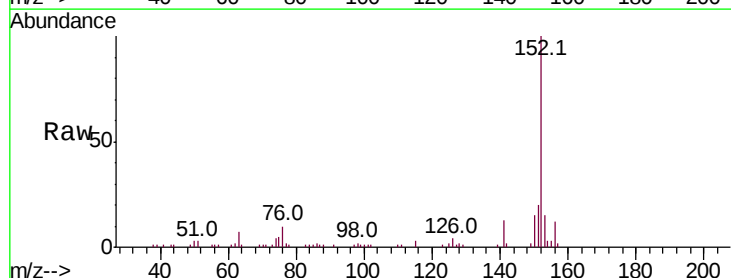
RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

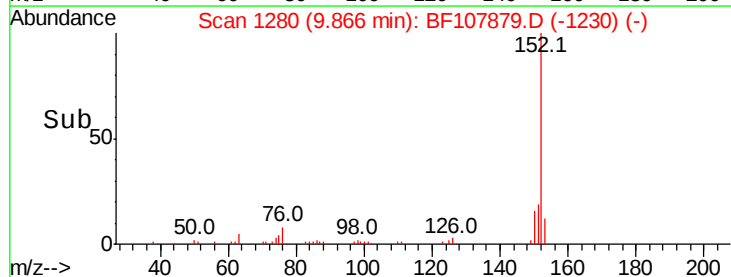
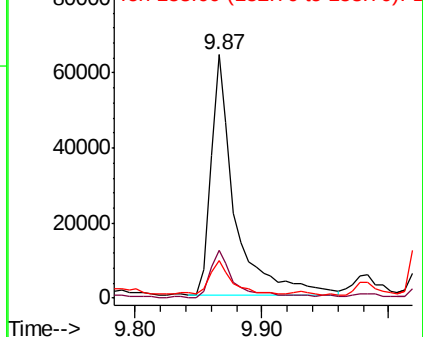
Lab File: BF107879.D

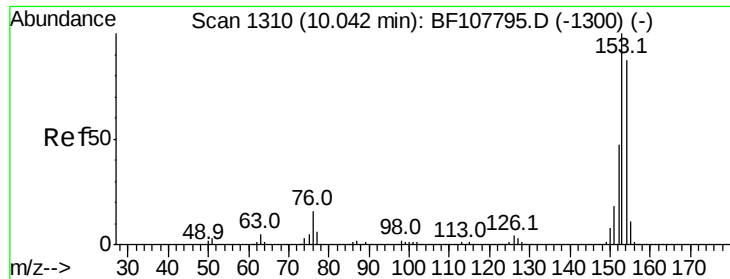
Acq: 1 Aug 2018 5:03

Tgt Ion:	152	Resp:	84893
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	15.4	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 57.131 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107879.D

Acq: 1 Aug 2018 5:03

Instrument :

BNA_F

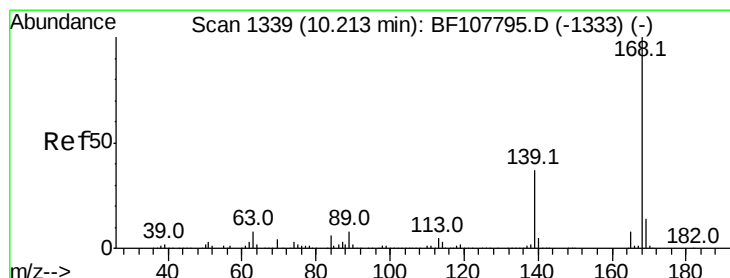
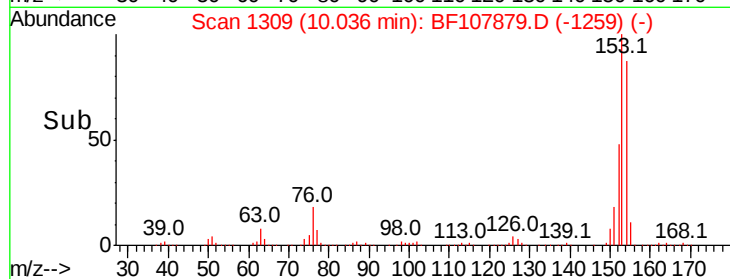
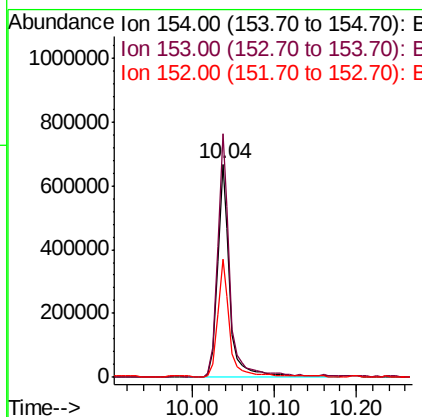
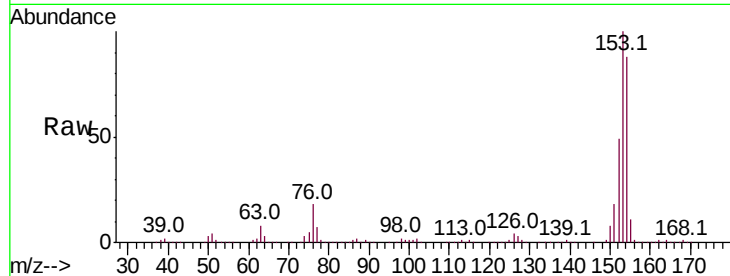
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion:	154	Resp:	700253
Ion Ratio	Lower	Upper	
154	100		
153	114.1	91.2	136.8
152	55.4	43.8	65.8

Manual Integrations
APPROVED

Sohil
8/1/2018 3:57:47 PM



#54

Dibenzofuran

Concen: 2.793 ng

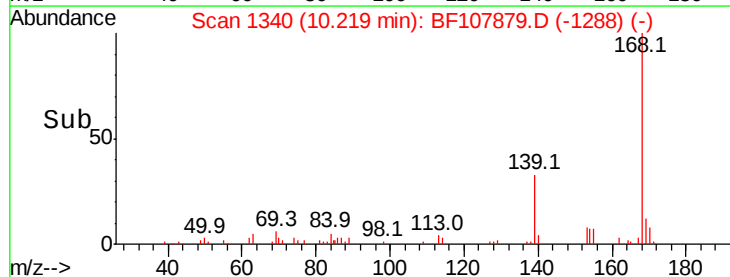
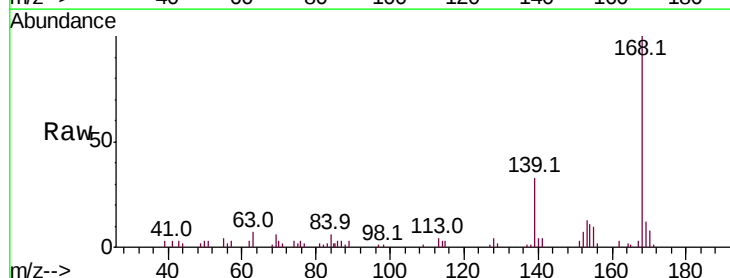
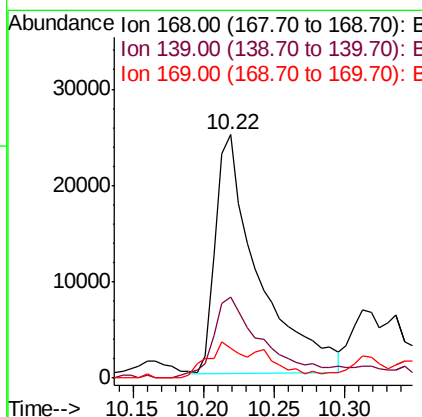
RT: 10.22 min Scan# 1340

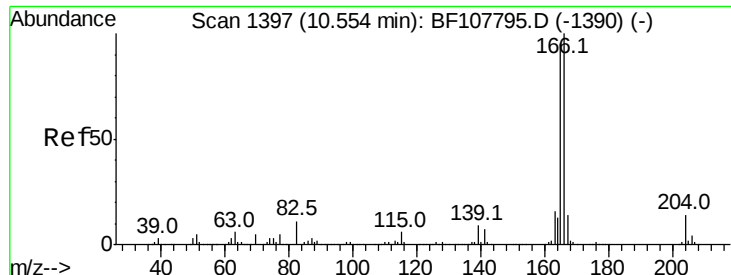
Delta R.T. 0.01 min

Lab File: BF107879.D

Acq: 1 Aug 2018 5:03

Tgt Ion:	168	Resp:	52915
Ion Ratio	Lower	Upper	
168	100		
139	33.2	30.1	45.1
169	12.3	10.9	16.3





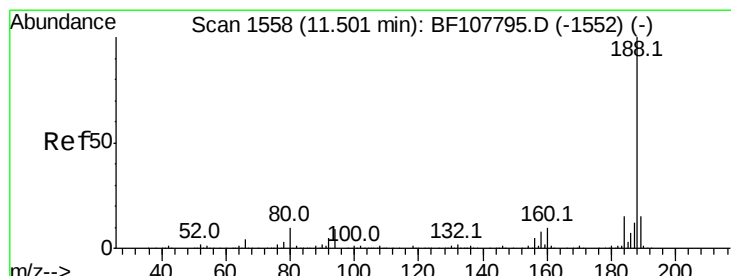
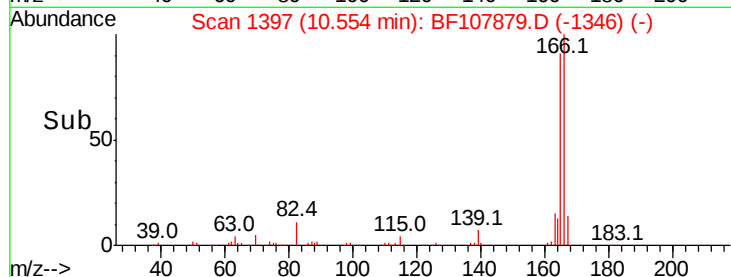
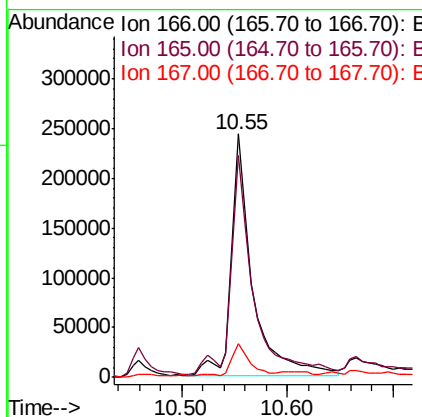
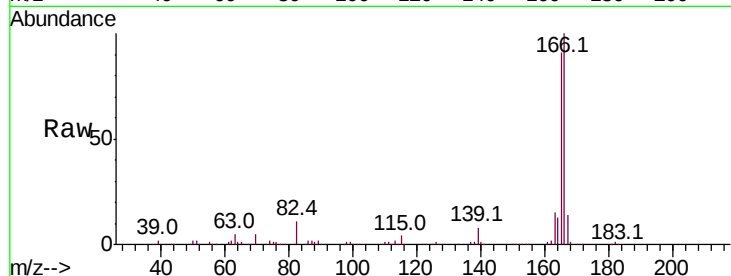
#57
Fluorene
 Concen: 22.990 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	91.4	79.8	119.8
167	14.0	10.6	16.0

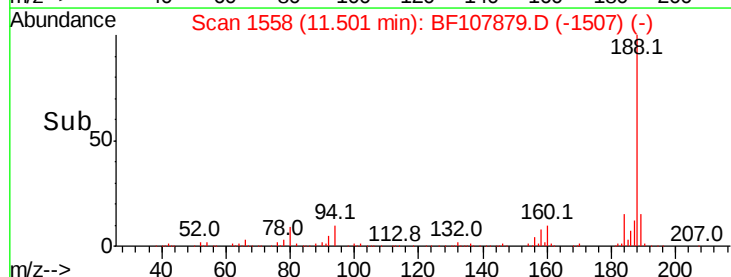
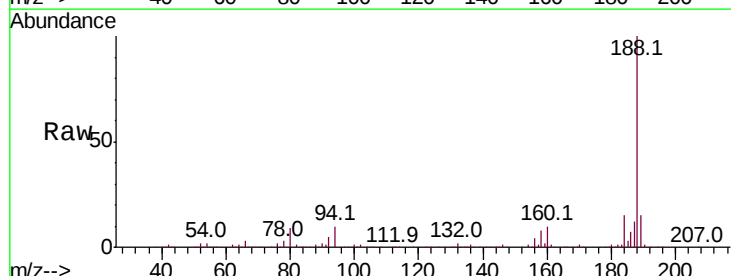
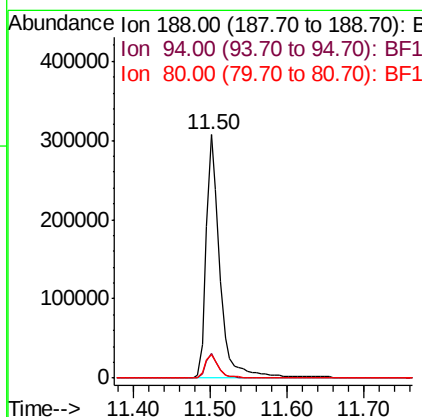
Manual Integrations
 APPROVED

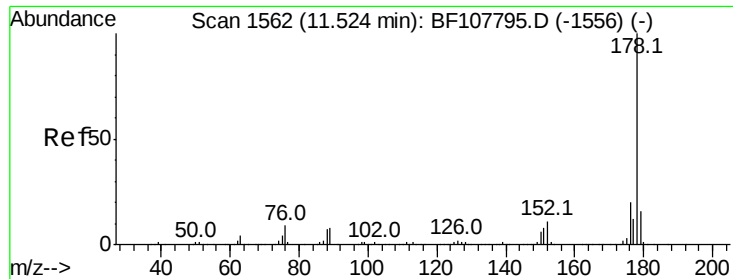
Sohil
 8/1/2018 3:57:47 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	9.4	9.2	13.8





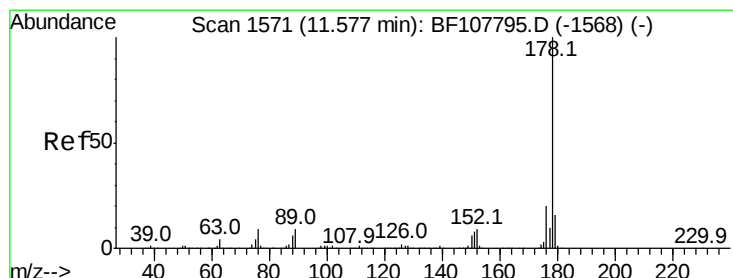
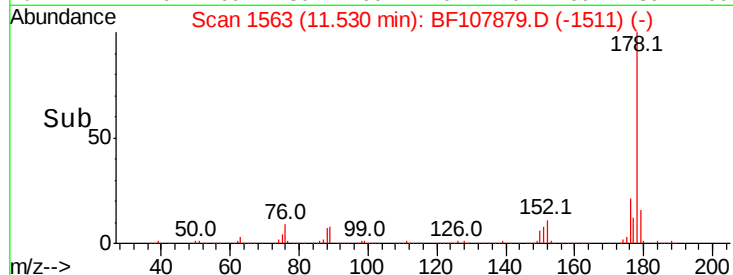
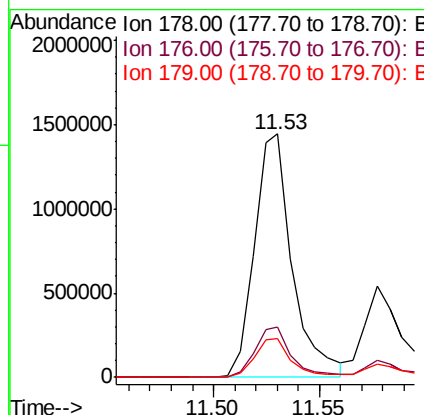
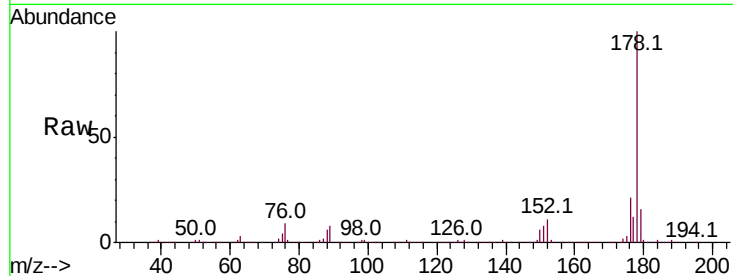
#70
Phenanthrene
Concen: 98.729 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	15.8	13.0	19.6

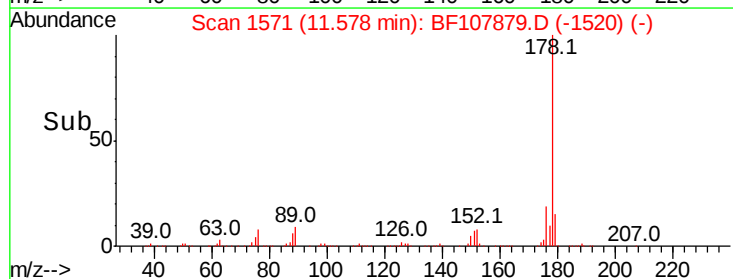
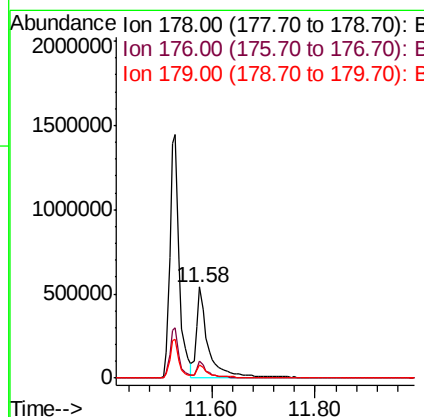
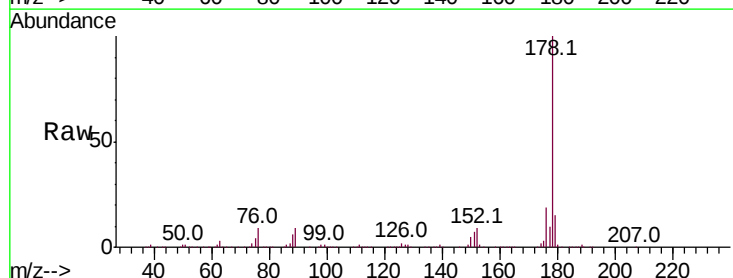
Manual Integrations
APPROVED

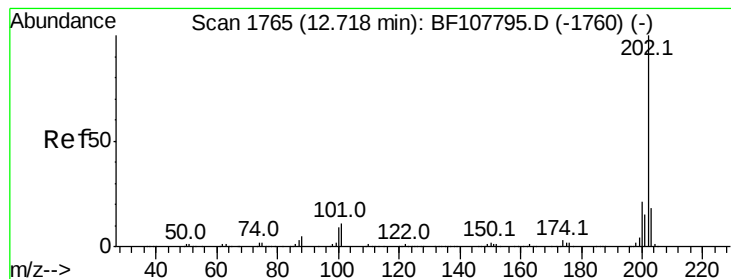
Sohil
8/1/2018 3:57:47 PM



#71
Anthracene
Concen: 41.163 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.2	12.6	19.0





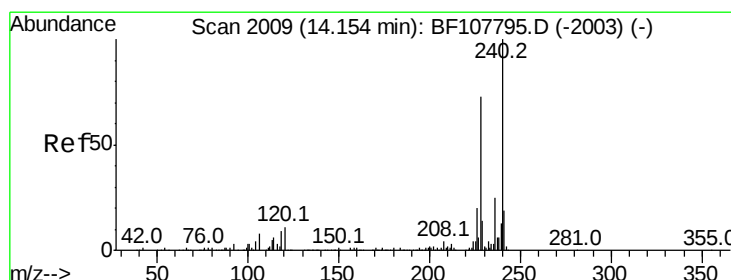
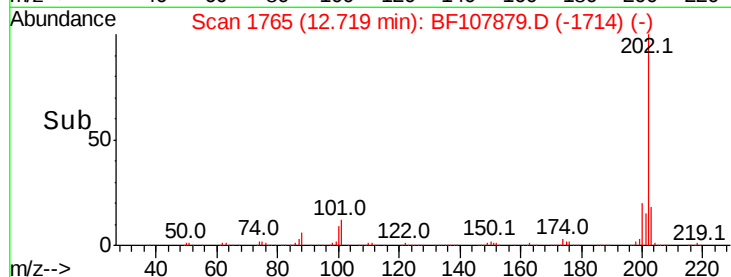
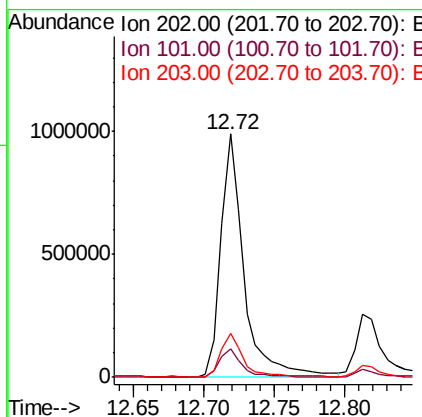
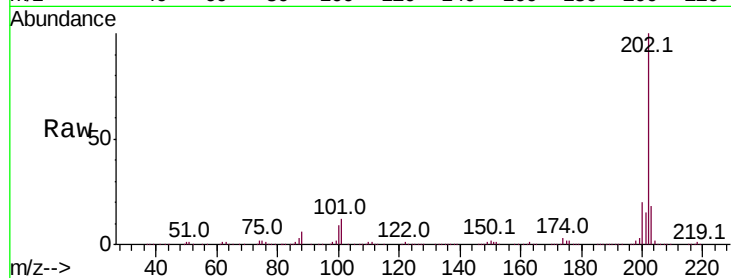
#74
 Fluoranthene
 Concen: 52.741 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	18.3	0.0	38.1

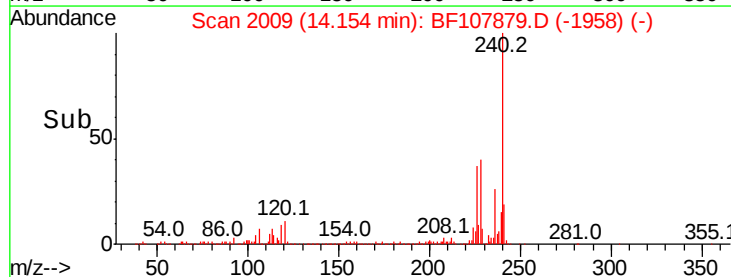
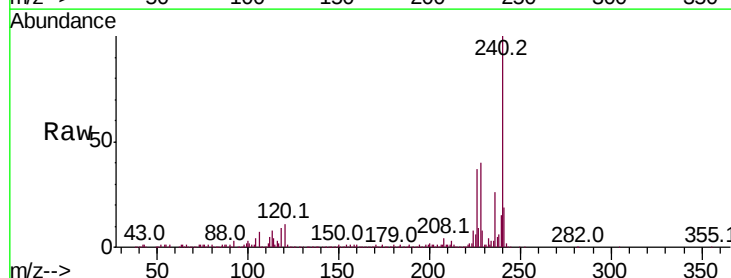
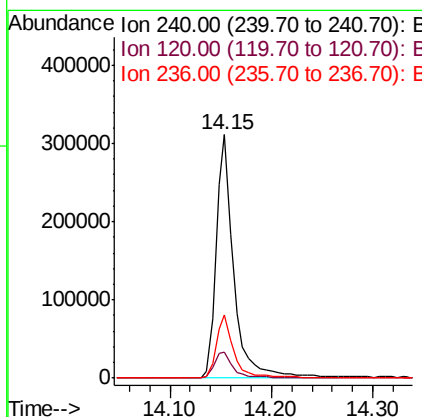
Manual Integrations
 APPROVED

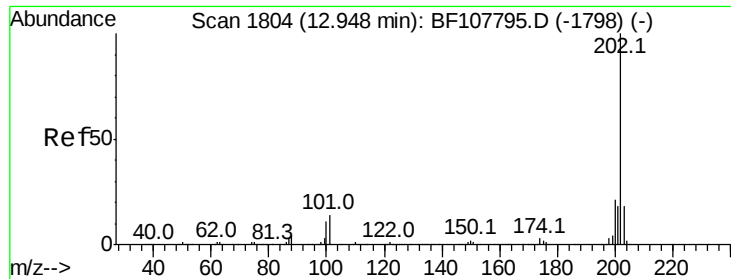
Sohil
 8/1/2018 3:57:47 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.0	20.7	31.1





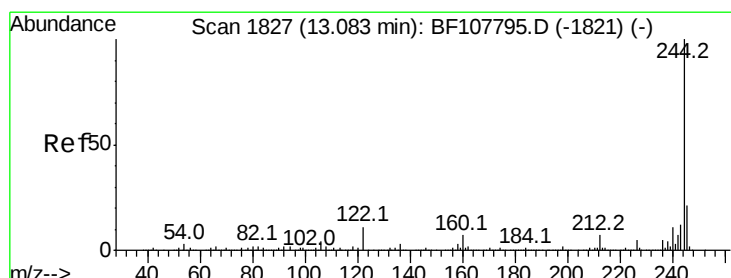
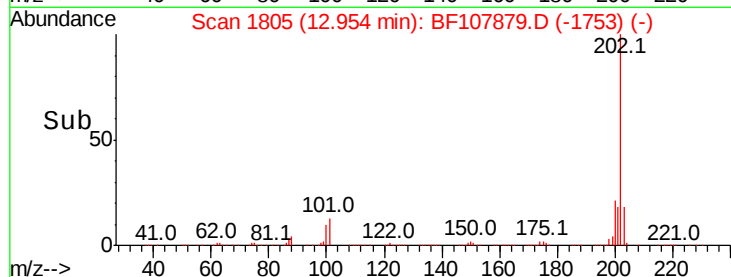
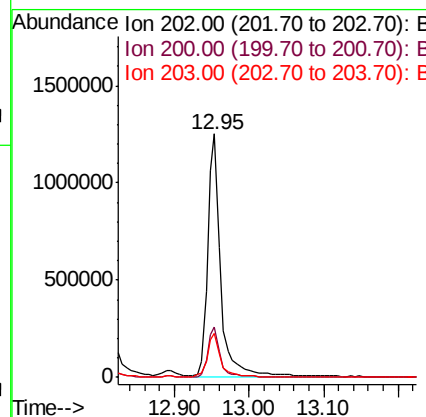
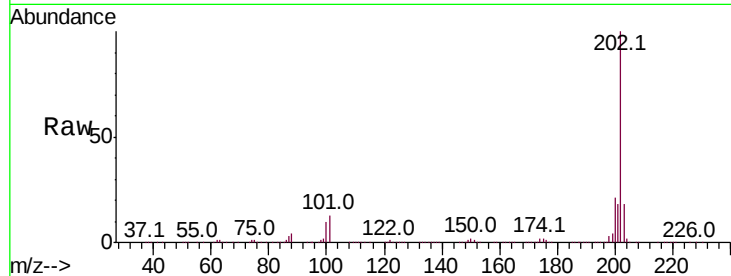
#77
Pvrene
Concen: 55.861 ng
RT: 12.95 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.2	14.3	21.5

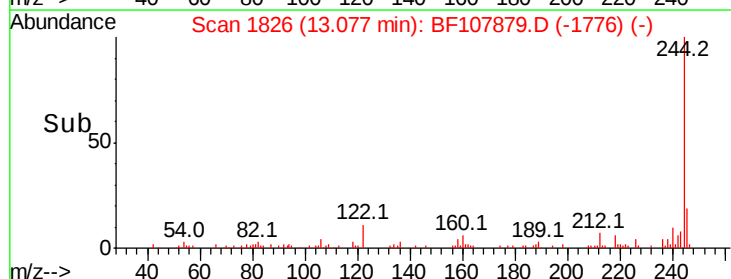
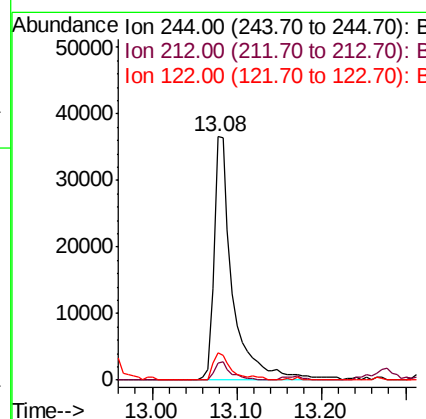
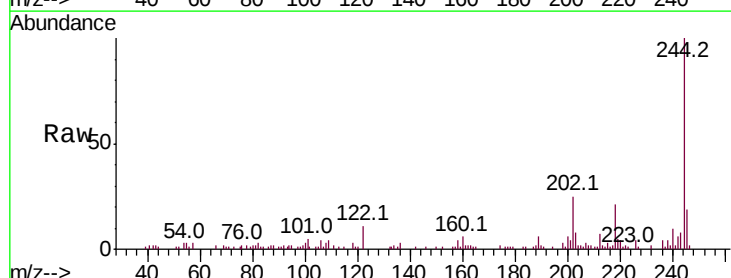
Manual Integrations
APPROVED

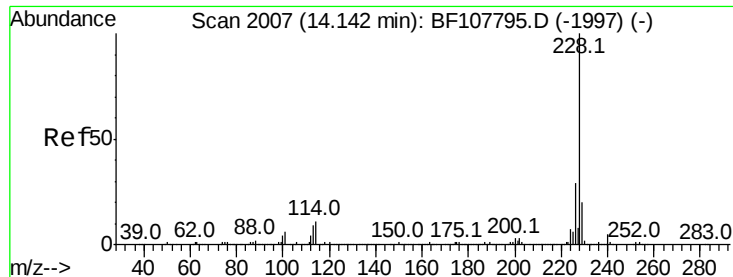
Sohil
8/1/2018 3:57:47 PM



#78
Terphenyl-d14
Concen: 3.309 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.0	11.0	16.4





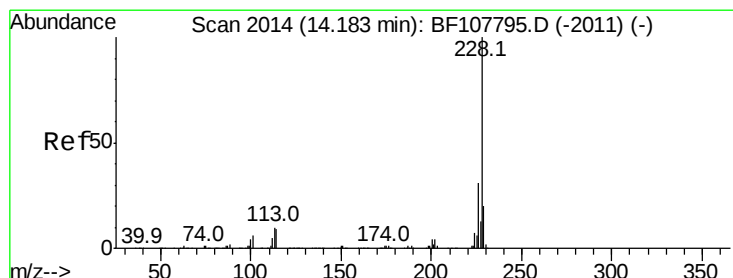
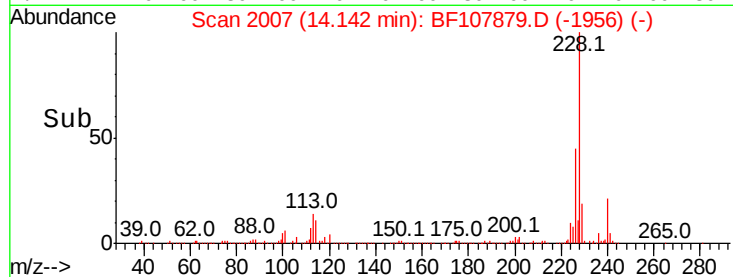
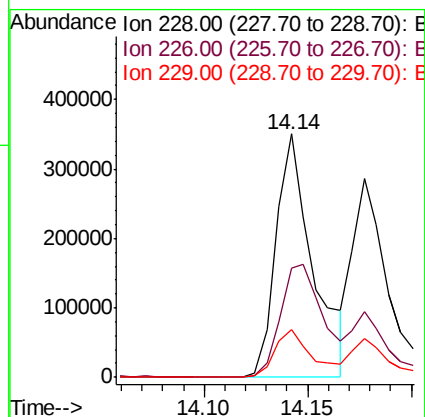
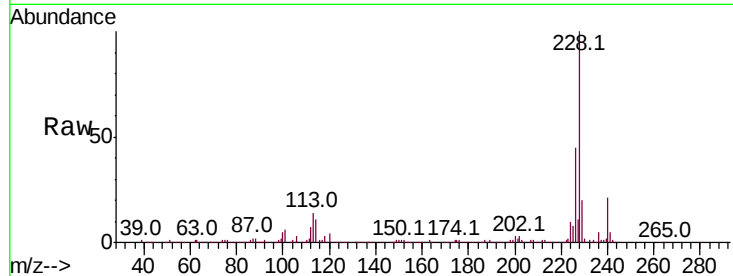
#80
Benzo(a)anthracene
Concen: 20.355 ng m
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	44.9	22.6	33.8#
229	19.7	15.8	23.6

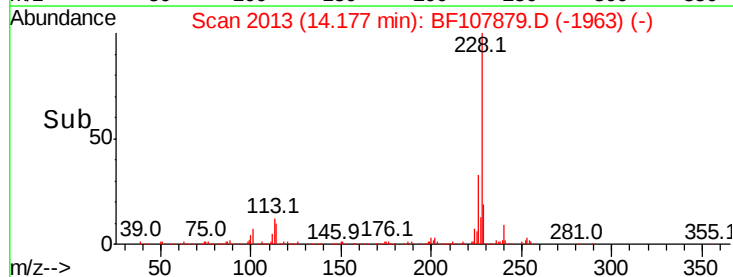
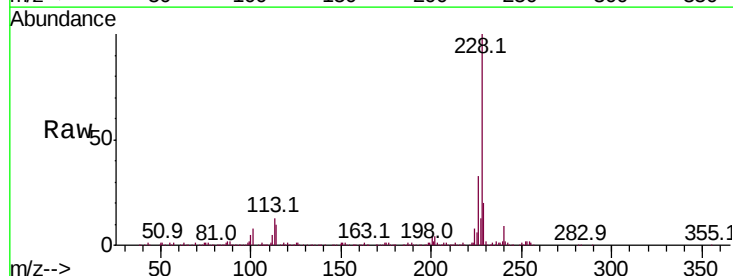
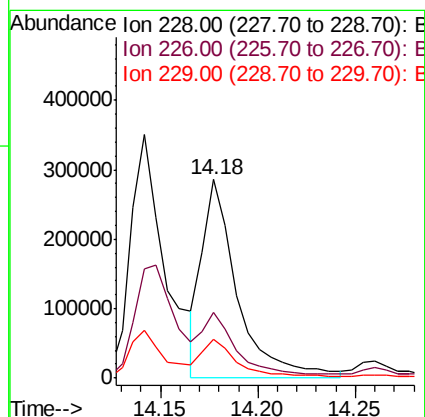
Manual Integrations
APPROVED

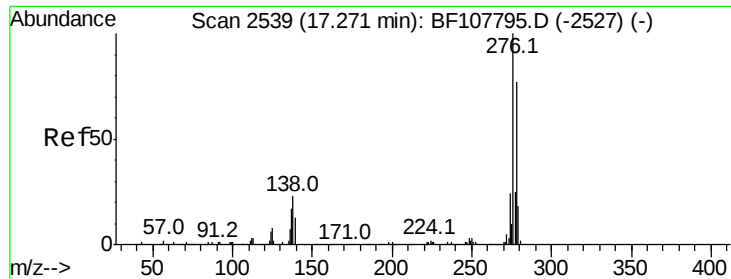
Sohil
8/1/2018 3:57:47 PM



#82
Chrysene
Concen: 15.617 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	19.8	16.2	24.4





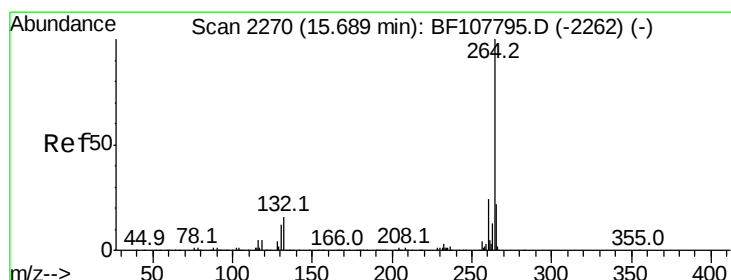
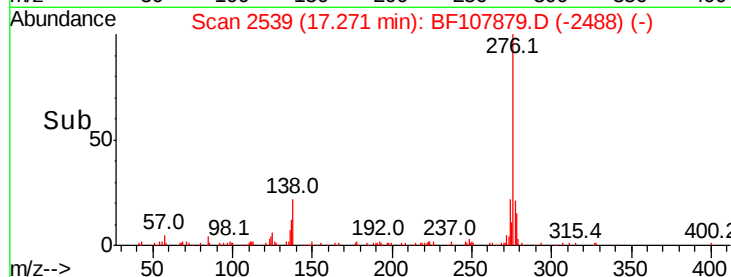
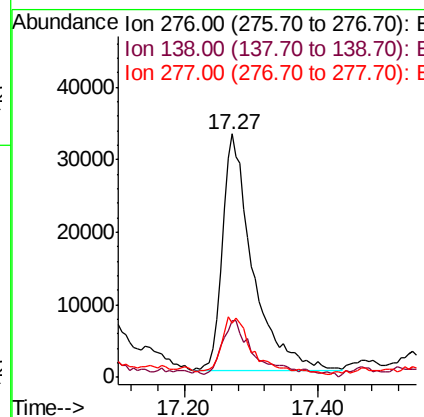
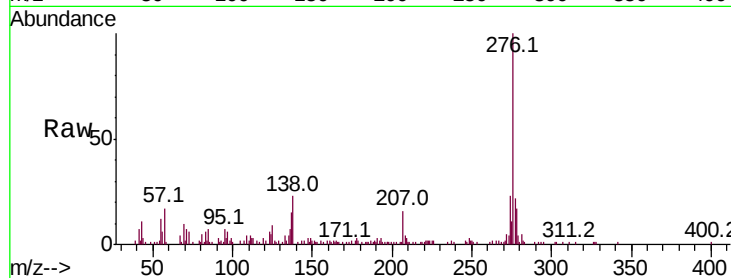
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.890 ng
 RT: 17.27 min Scan# 2539
 Delta R.T. 0.00 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	25.1	20.1	30.1

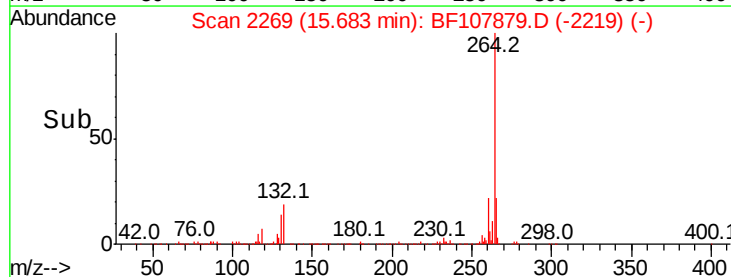
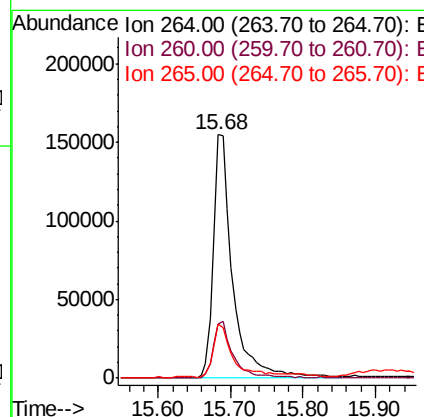
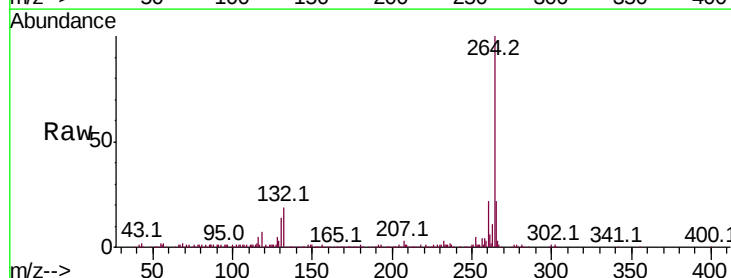
Manual Integrations
 APPROVED

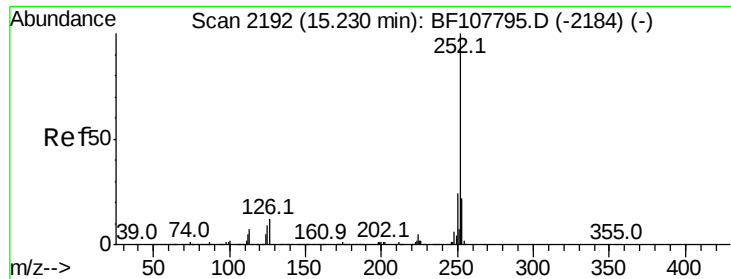
Sohil
 8/1/2018 3:57:47 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF107879.D
 Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.323 ng m

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF107879.D

Acq: 1 Aug 2018 5:03

Instrument :

BNA_F

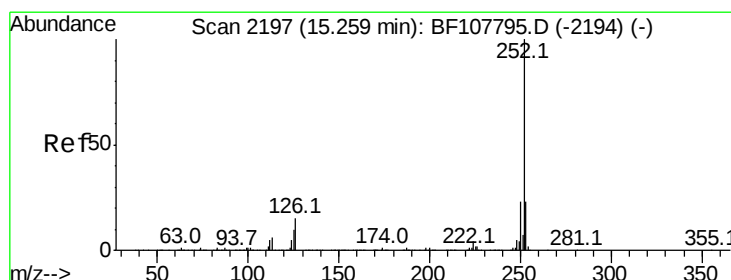
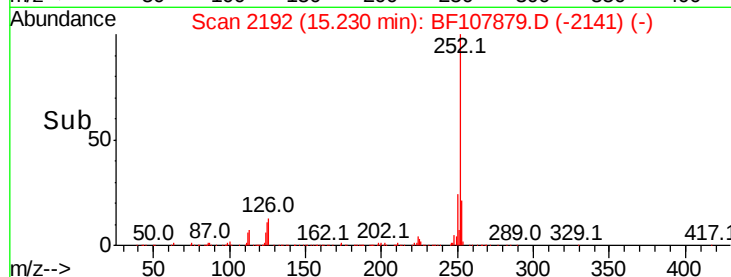
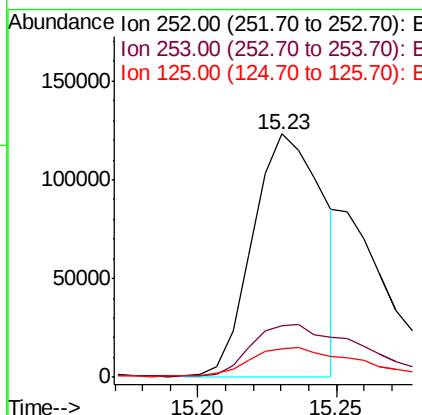
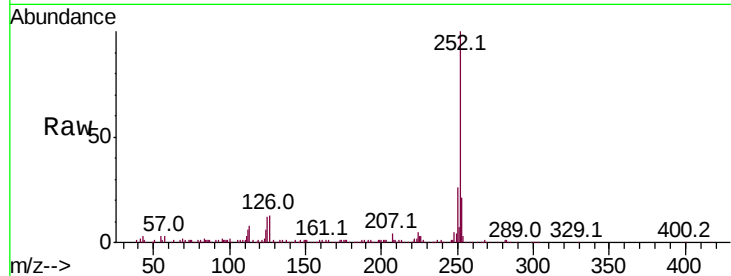
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion:	252	Resp:	218799
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.0	25.6
125	11.8	9.0	13.6

Manual Integrations
APPROVED

Sohil
8/1/2018 3:57:47 PM



#88

Benzo(k)fluoranthene

Concen: 6.411 ng m

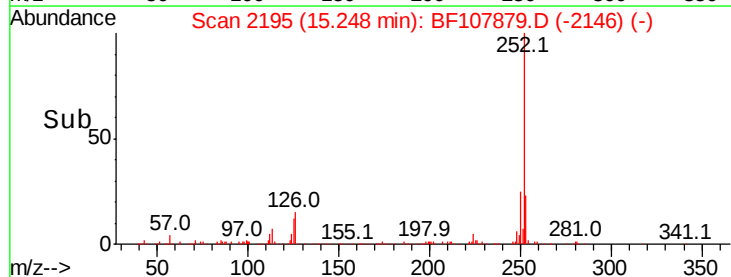
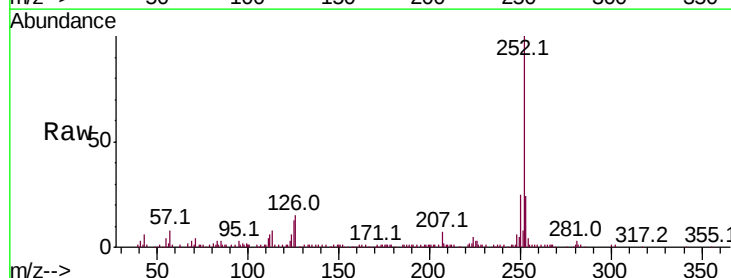
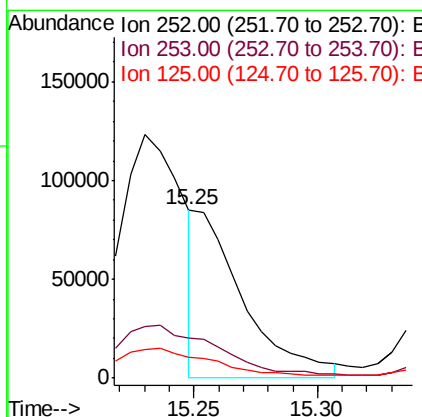
RT: 15.25 min Scan# 2195

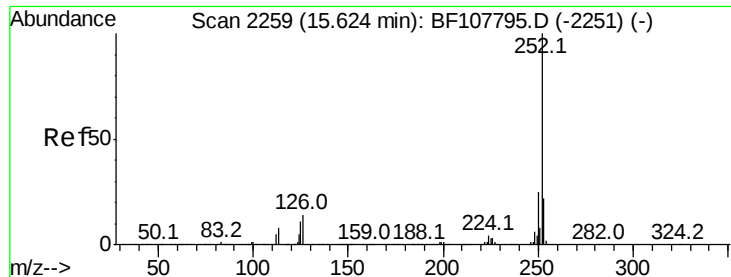
Delta R.T. -0.01 min

Lab File: BF107879.D

Acq: 1 Aug 2018 5:03

Tgt Ion:	252	Resp:	112390
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	12.6	10.2	15.2





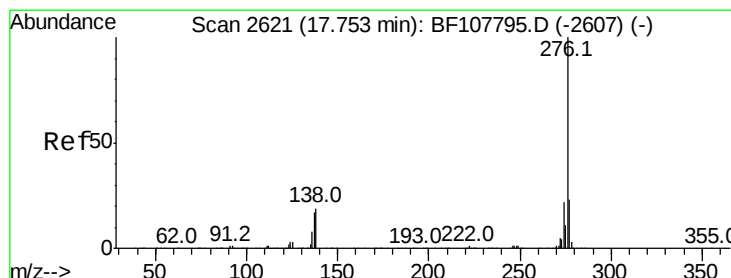
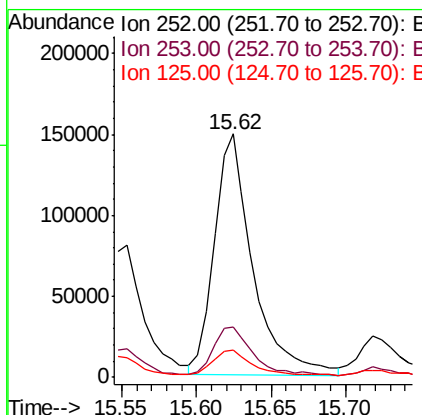
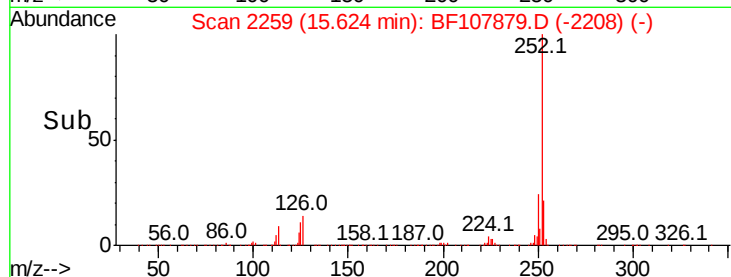
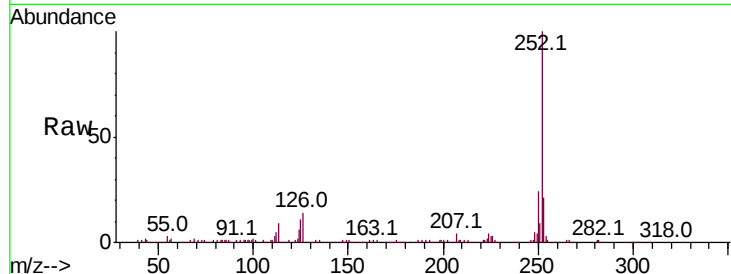
#89
Benzo(a)pyrene
Concen: 18.253 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	269075		
253	20.8		17.1	25.7
125	11.0		9.8	14.6

Manual Integrations
APPROVED

Sohil
8/1/2018 3:57:47 PM



#91
Benzo(g,h,i)perylene
Concen: 9.317 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	115920		
277	22.3		17.9	26.9
138	24.1		21.8	32.8

