

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108084.D
 Acq On : 10 Aug 2018 15:22
 Operator : JU/SJ
 Sample : J4409-01 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-9B

Manual Integrations
 APPROVED

Sohil
 8/13/2018 3:51:51 PM

Quant Time: Aug 10 17:20:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	287434	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1052495	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	506772	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	773510	20.00	ng	0.00
75) Chrysene-d12	14.23	240	559278	20.00	ng	0.01
86) Perylene-d12	15.79	264	639609	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	179400	11.30	ng	0.00
7) Phenol-d6	6.62	99	247204	11.72	ng	-0.01
23) Nitrobenzene-d5	7.57	82	152033	8.06	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	41750	8.26	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	283162	8.97	ng	0.00
78) Terphenyl-d14	13.15	244	212292	9.65	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.32	128	1580939	33.029	ng	98
37) 2-Methylnaphthalene	9.01	142	273702	8.082	ng	98
45) 1,1'-Biphenyl	9.48	154	1051930	28.153	ng	99
48) Acenaphthylene	9.92	152	534413	11.447	ng	# 97
51) Acenaphthene	10.11	154	3347414	117.061	ng	94
54) Dibenzofuran	10.27	168	688840	16.627	ng	99
57) Fluorene	10.62	166	2100321	64.043	ng	98
70) Phenanthrene	11.61	178	7407426	203.034	ng	# 73
71) Anthracene	11.65	178	3329104	89.030	ng	# 87
74) Fluoranthene	12.80	202	4994526	125.435	ng	86
77) Pyrene	13.04	202	5985691m	169.049	ng	
80) Benzo(a)anthracene	14.22	228	2827501m	88.093	ng	
82) Chrysene	14.25	228	2367833m	80.467	ng	
85) Indeno(1,2,3-cd)pyrene	17.42	276	1067734	41.878	ng	# 87
87) Benzo(b)fluoranthene	15.33	252	2615764m	68.441	ng	
88) Benzo(k)fluoranthene	15.35	252	991099m	28.210	ng	
89) Benzo(a)pyrene	15.74	252	2793494	81.623	ng	96
90) Dibenzo(a,h)anthracene	17.43	278	252214	8.907	ng	96
91) Benzo(g,h,i)perylene	17.92	276	1034315	37.094	ng	# 91

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

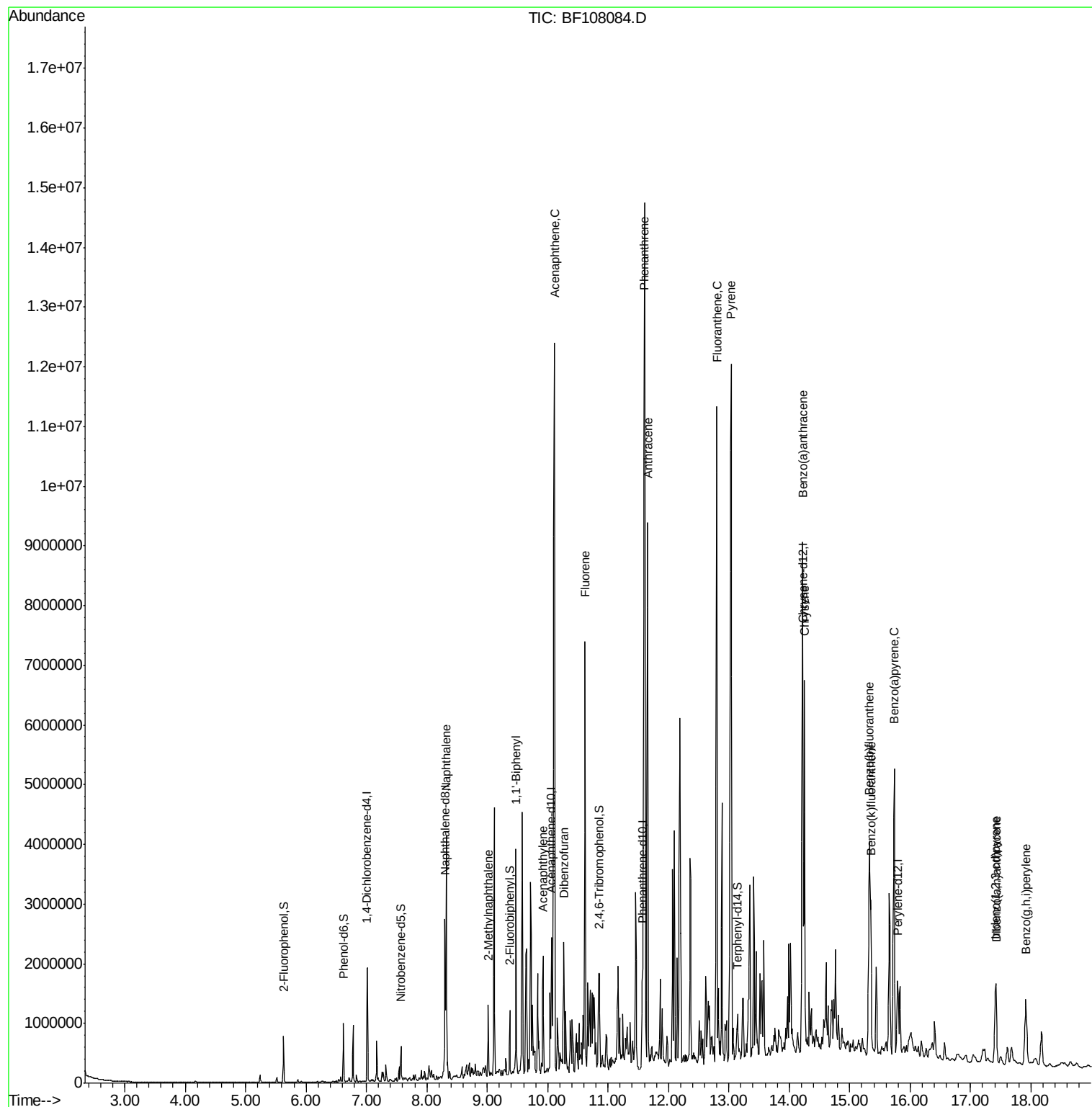
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108084.D
Acq On : 10 Aug 2018 15:22
Operator : JU/SJ
Sample : J4409-01 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

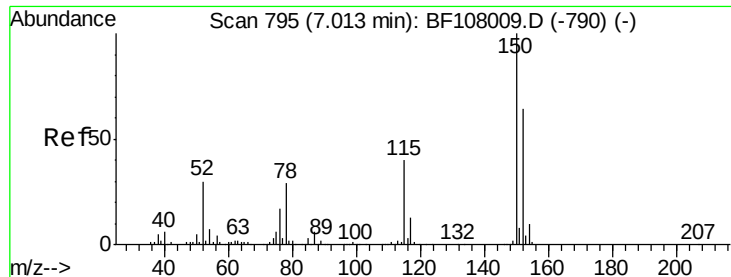
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-9B

Manual Integrations
APPROVED

Sohil
8/13/2018 3:51:51 PM

Quant Time: Aug 10 17:20:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration





#1

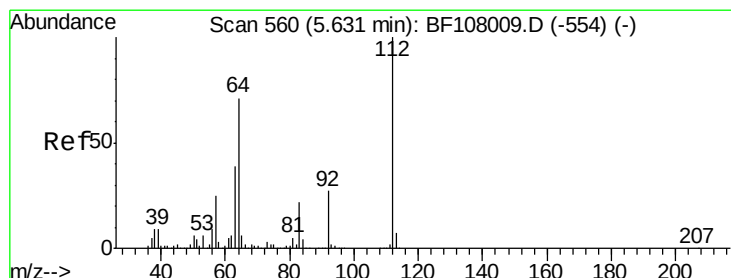
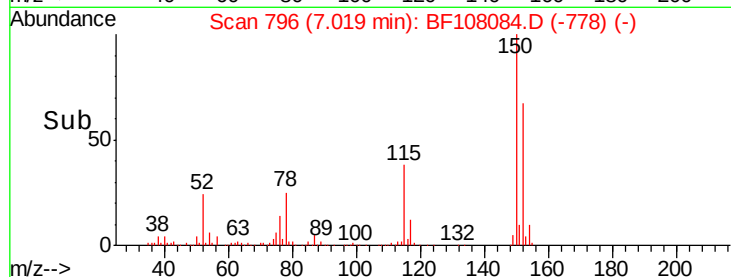
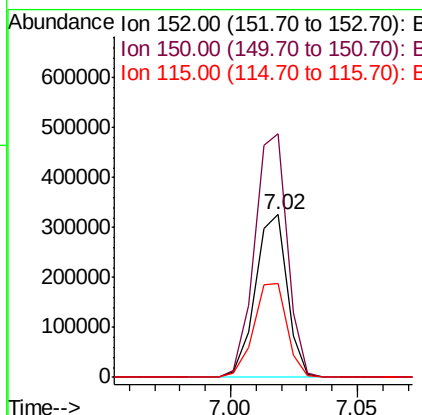
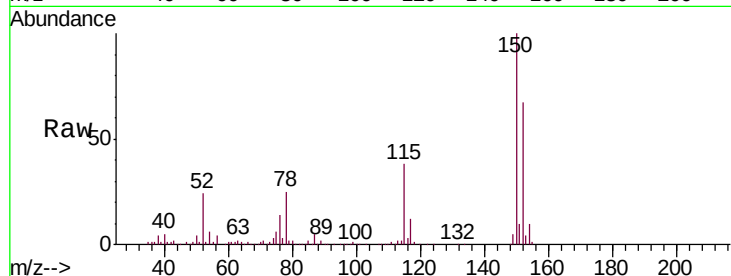
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.9	124.6	186.8
115	57.4	50.1	75.1

Manual Integrations
APPROVED

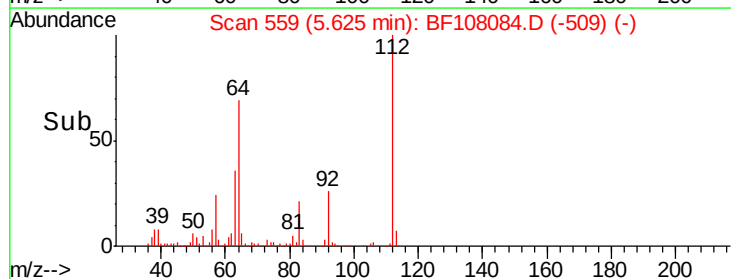
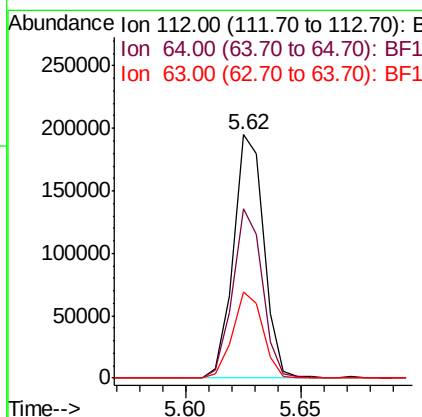
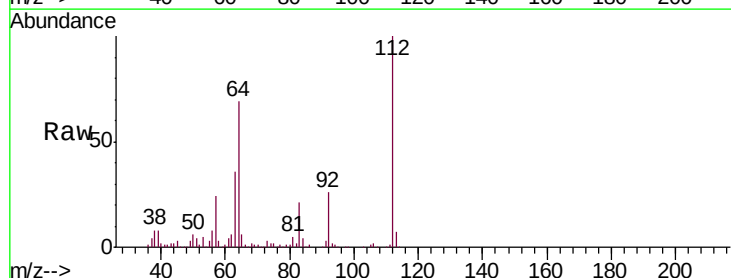
Sohil
8/13/2018 3:51:51 PM

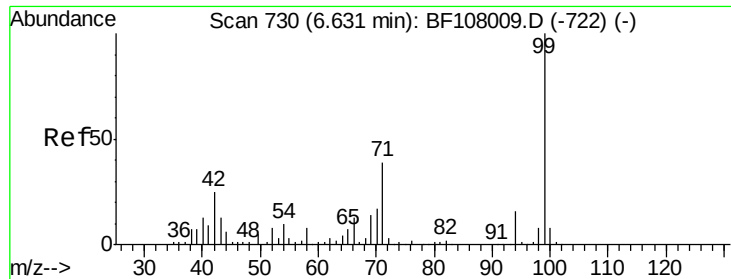


#5

2-Fluorophenol
Concen: 11.300 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	35.5	23.7	35.5#





#7

Phenol-d6

Concen: 11.717 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108084.D

Acq: 10 Aug 2018 15:22

Instrument :

BNA_F

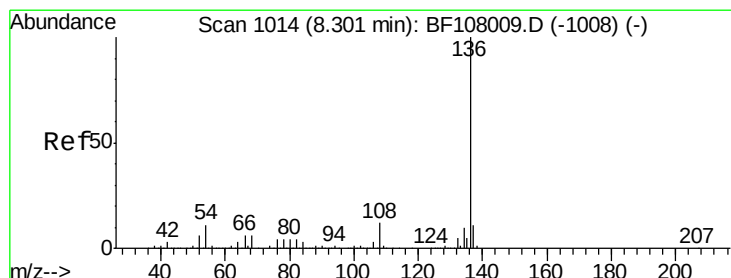
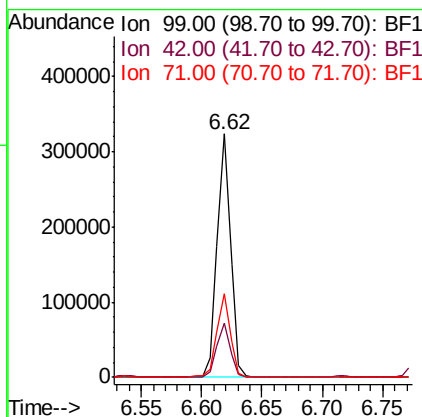
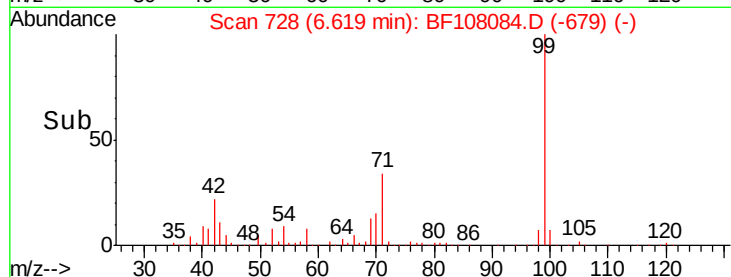
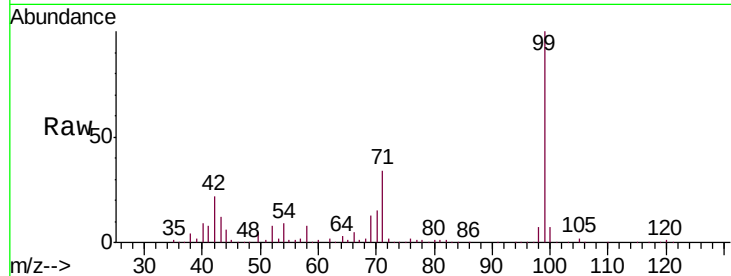
ClientSampleId :

2018-NYSEG-CLARK-AREA-9B

Tgt Ion:	99	Resp:	247204
Ion Ratio	Lower	Upper	
99	100		
42	22.3	14.5	21.7#
71	34.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/13/2018 3:51:51 PM



#21

Naphthalene-d8

Concen: 20.000 ng

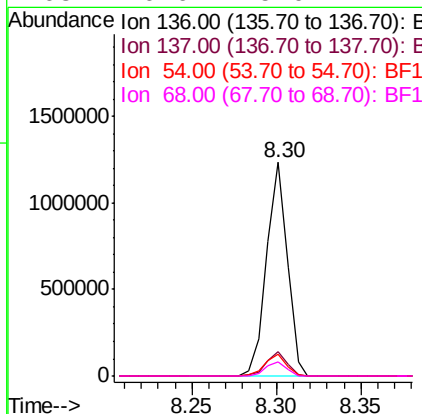
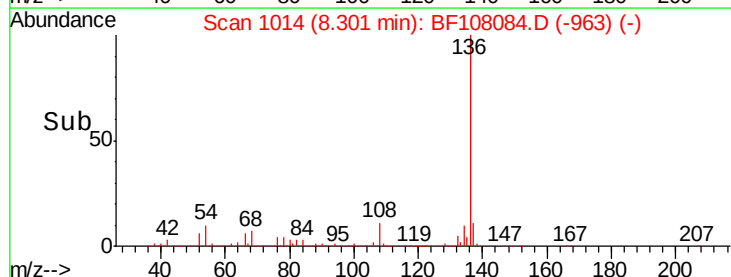
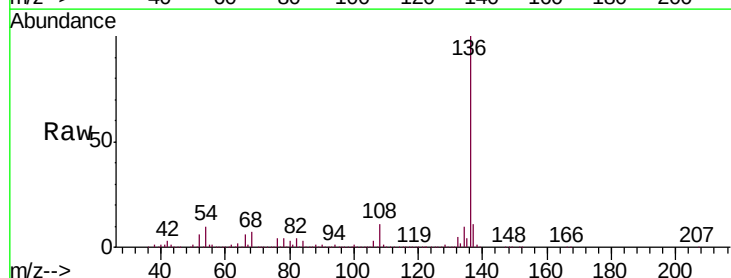
RT: 8.30 min Scan# 1014

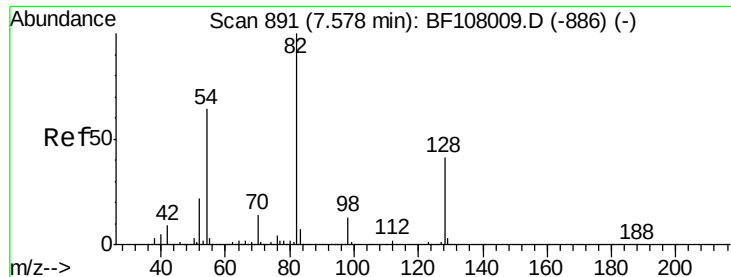
Delta R.T. 0.00 min

Lab File: BF108084.D

Acq: 10 Aug 2018 15:22

Tgt Ion:	136	Resp:	1052495
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	10.2	6.6	9.8#
68	6.6	5.0	7.4





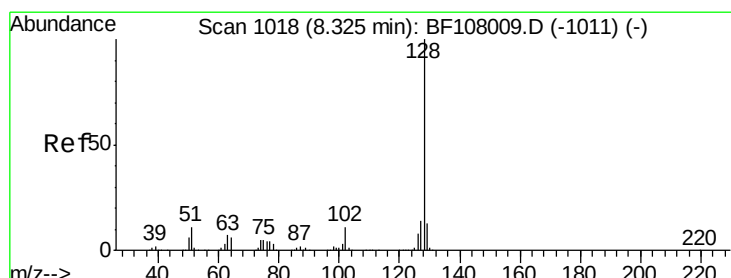
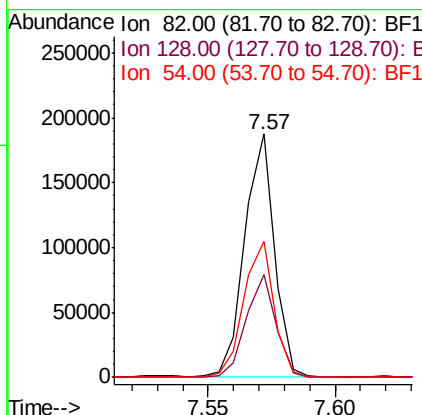
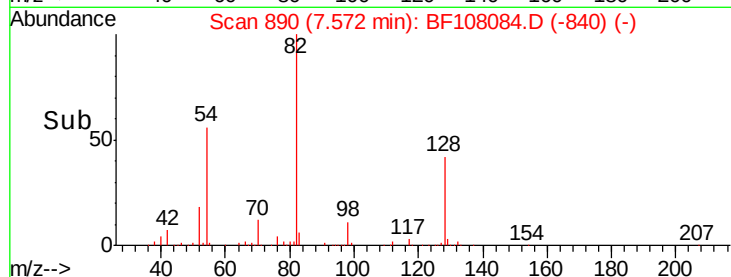
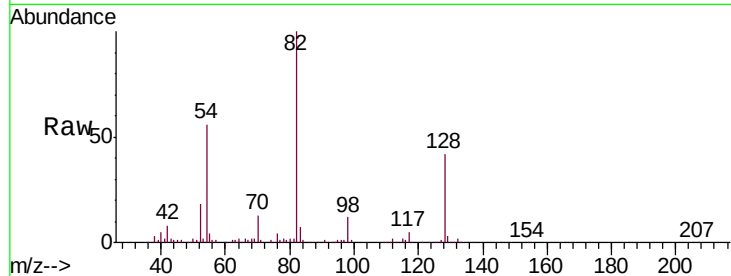
#23
 Nitrobenzene-d5
 Concen: 8.061 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	56.0	41.4	62.2

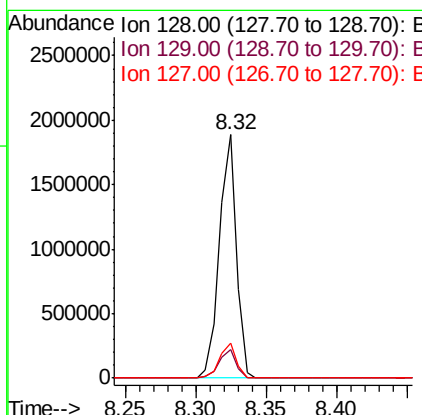
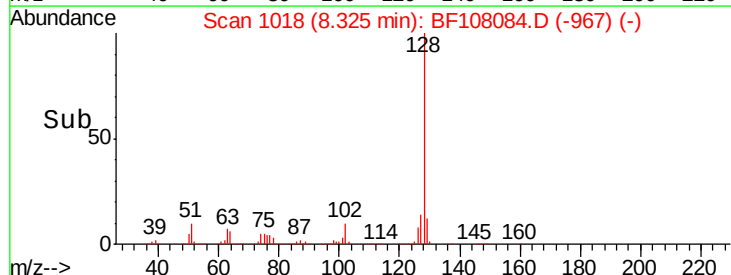
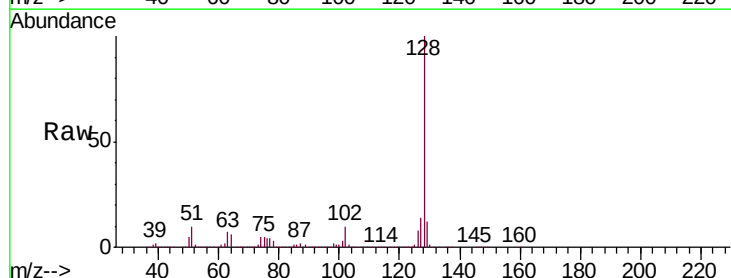
Manual Integrations
 APPROVED

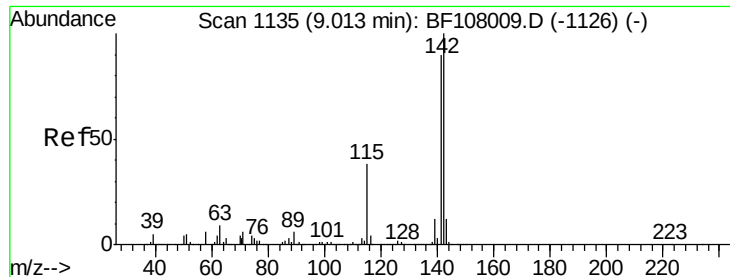
Sohil
 8/13/2018 3:51:51 PM



#31
 Naphthalene
 Concen: 33.029 ng
 RT: 8.32 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.4	10.9	16.3





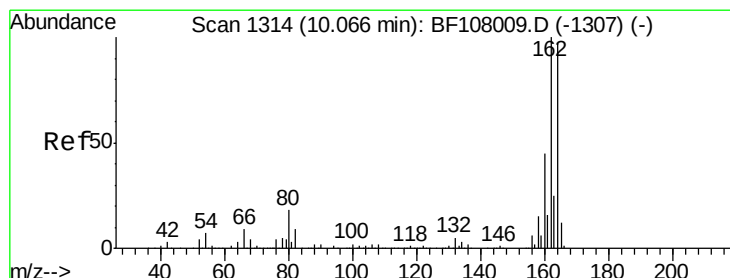
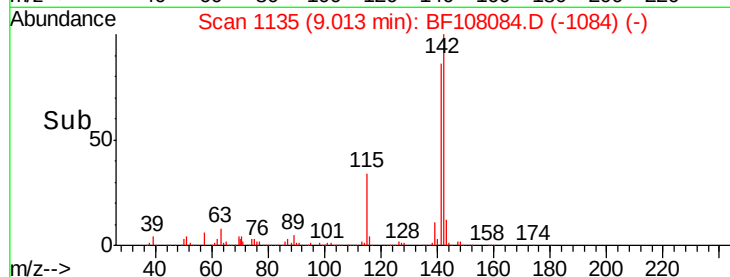
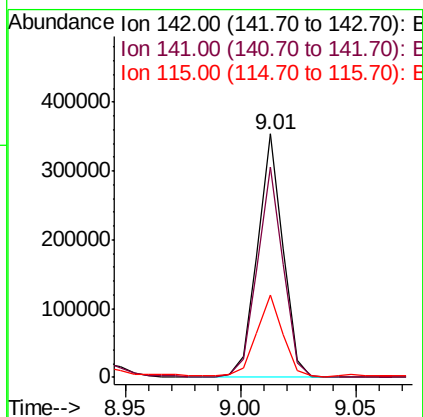
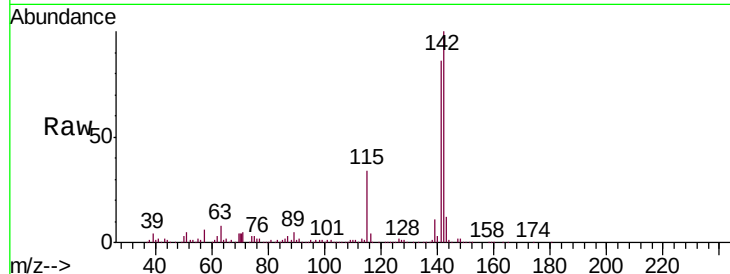
#37
 2-Methylnaphthalene
 Concen: 8.082 ng
 RT: 9.01 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	273702		
141	86.3	70.8	106.2	
115	33.8	26.1	39.1	

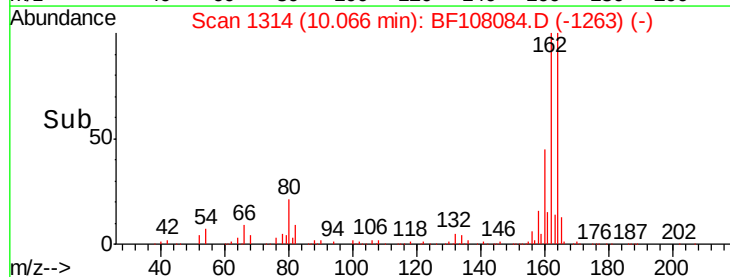
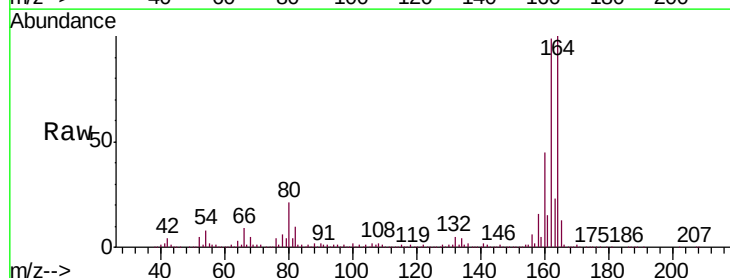
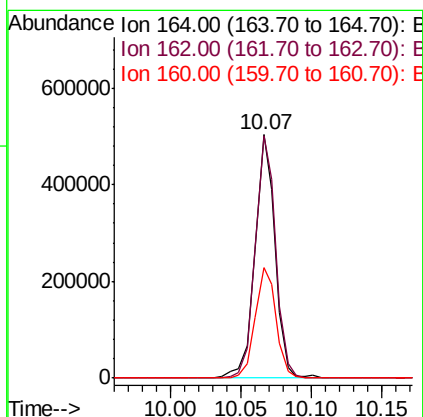
Manual Integrations
 APPROVED

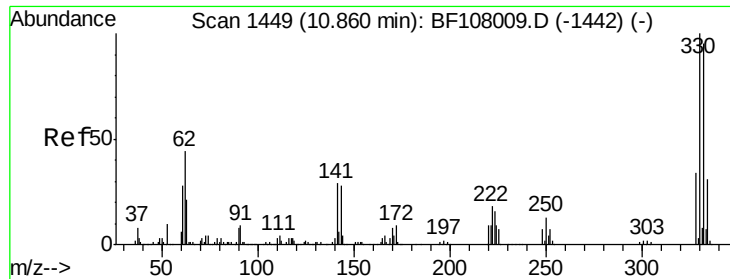
Sohil
 8/13/2018 3:51:51 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	506772		
162	99.5	86.1	129.1	
160	45.2	38.3	57.5	





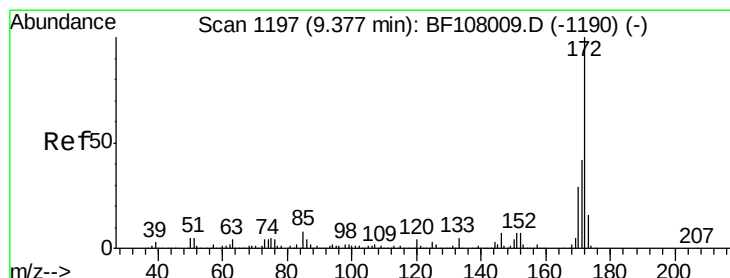
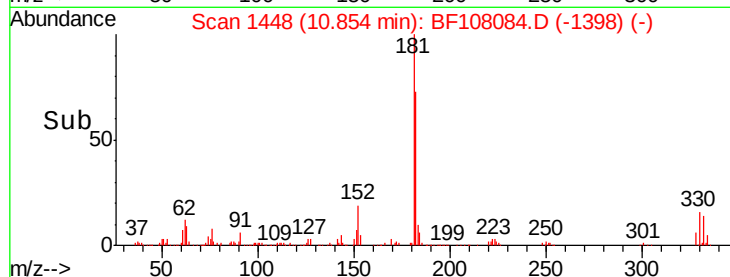
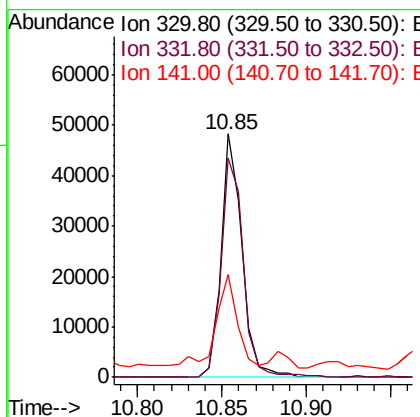
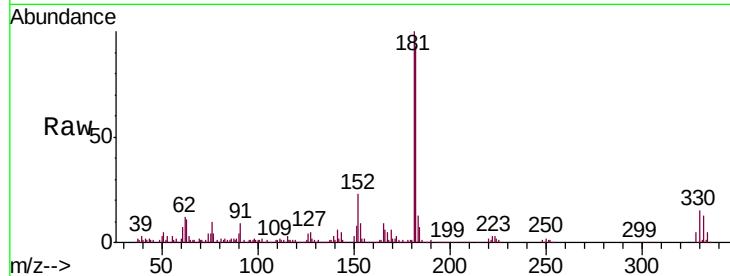
#41
 2,4,6-Tribromophenol
 Concen: 8.259 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	41750		
332	96.1	77.0	115.6	
141	37.8	29.9	44.9	

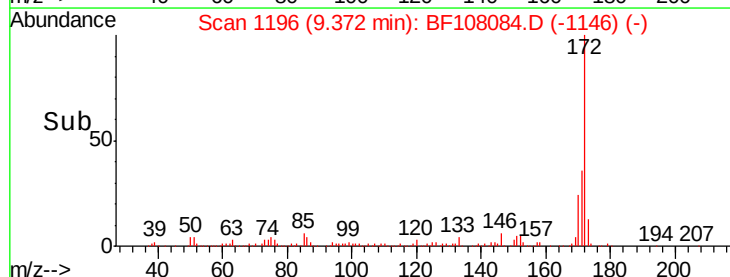
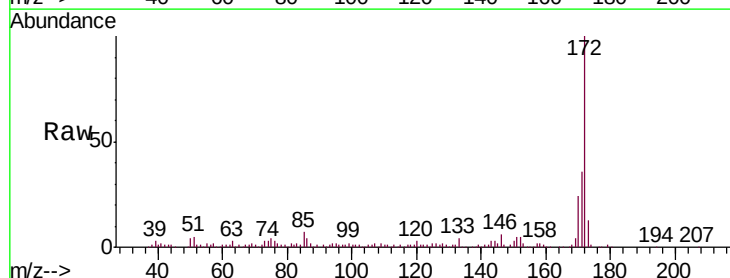
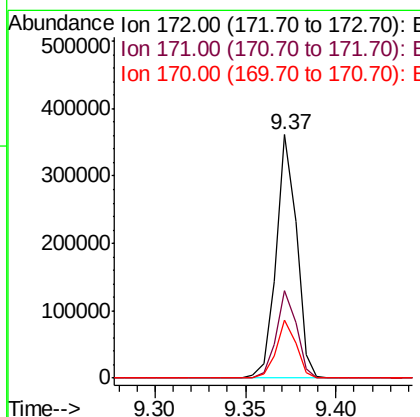
Manual Integrations
 APPROVED

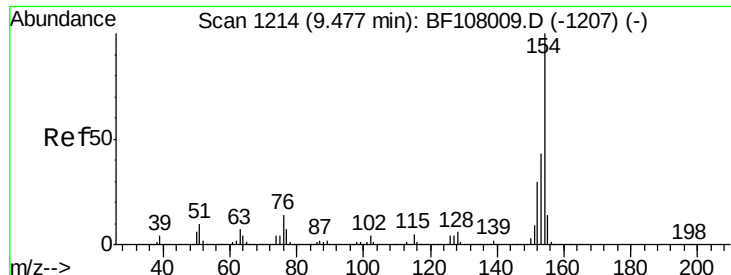
Sohil
 8/13/2018 3:51:51 PM



#44
 2-Fluorobiphenyl
 Concen: 8.971 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	283162		
171	36.0	29.7	44.5	
170	24.0	19.6	29.4	





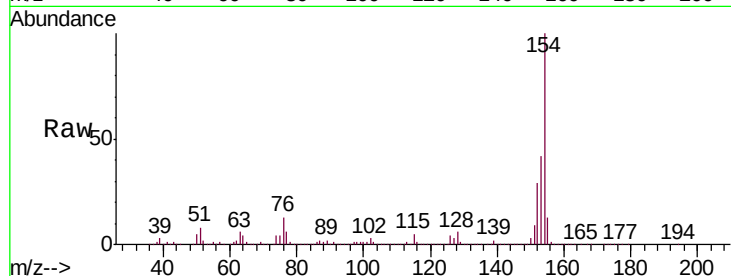
#45
1,1'-Biphenyl
Concen: 28.153 ng
RT: 9.48 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	21.3	61.3
76	13.3	0.0	34.0

Manual Integrations
APPROVED

Sohil
8/13/2018 3:51:51 PM

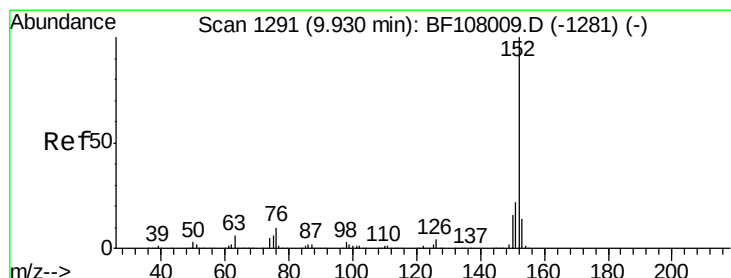
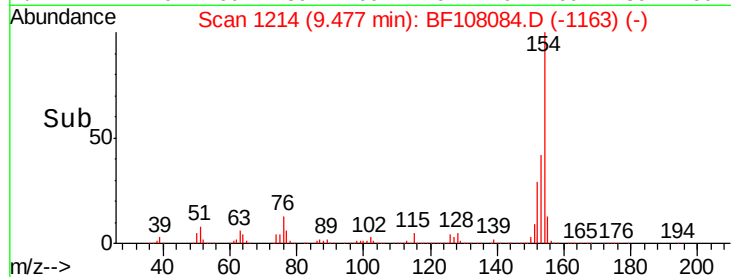
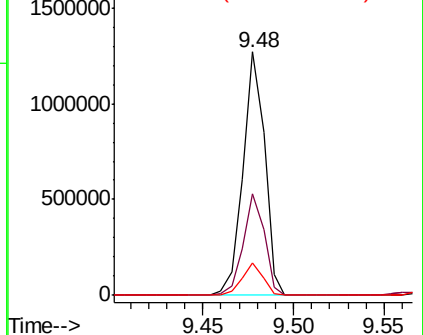


Abundance

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: 11.447 ng
RT: 9.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

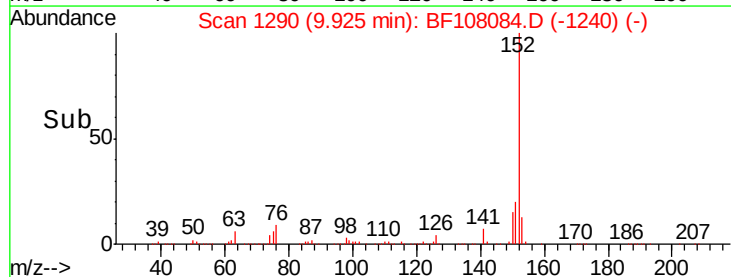
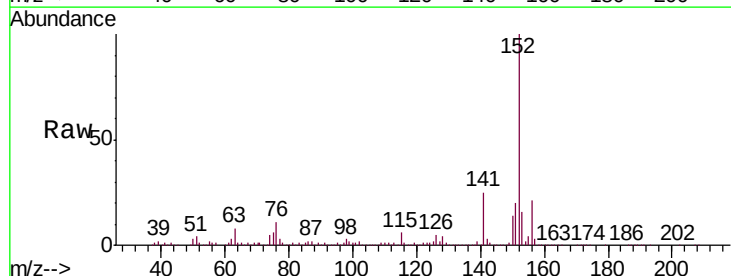
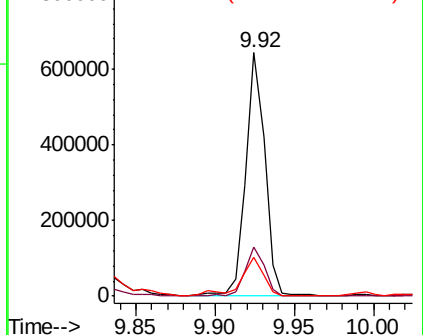
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	16.2	10.7	16.1#

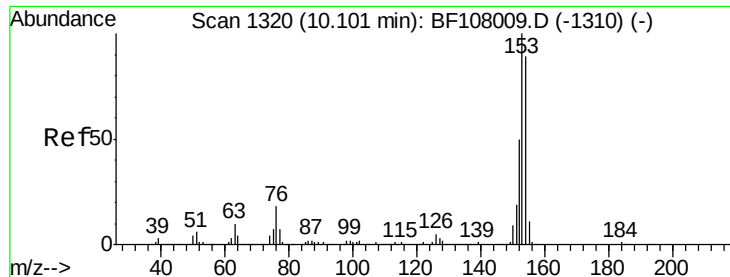
Abundance

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: 117.061 ng

RT: 10.11 min Scan# 1322

Delta R.T. 0.01 min

Lab File: BF108084.D

Acq: 10 Aug 2018 15:22

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-9B

Tgt Ion:154 Resp: 3347414

Ion Ratio Lower Upper

154 100

153 107.7 91.2 136.8

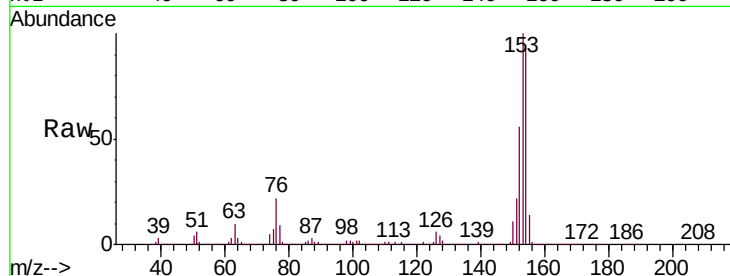
152 60.4 43.8 65.8

Manual Integrations

APPROVED

Sohil

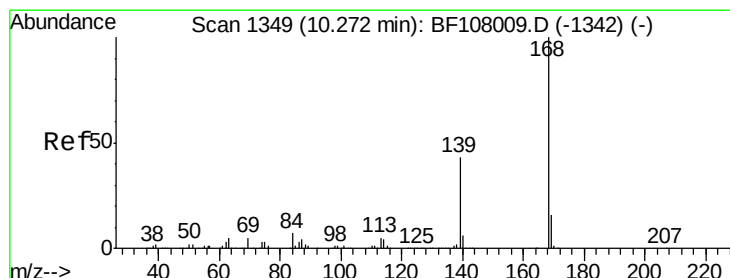
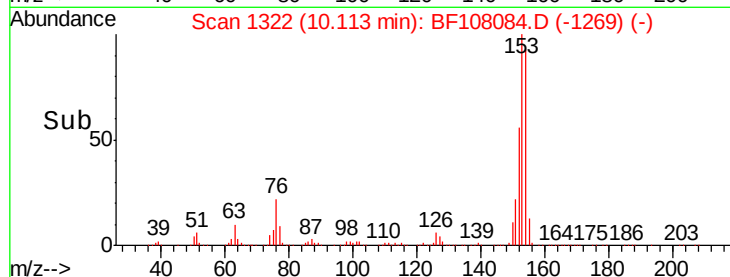
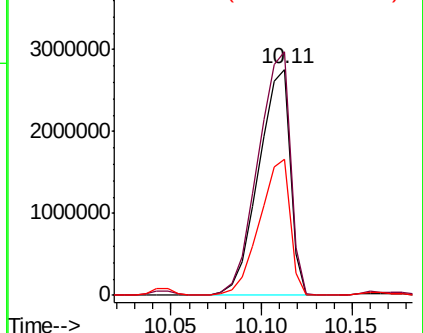
8/13/2018 3:51:51 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 16.627 ng

RT: 10.27 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BF108084.D

Acq: 10 Aug 2018 15:22

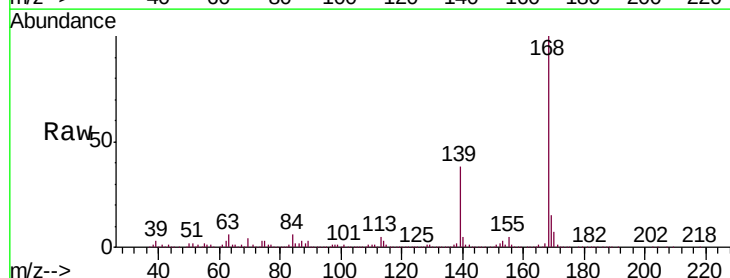
Tgt Ion:168 Resp: 688840

Ion Ratio Lower Upper

168 100

139 37.8 30.1 45.1

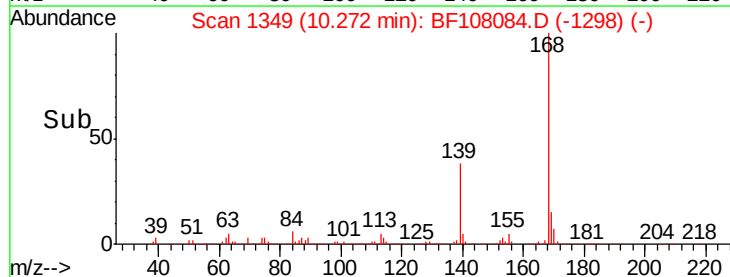
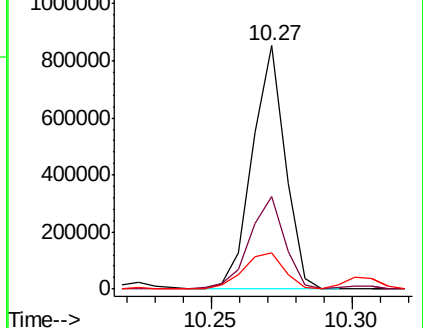
169 15.0 10.9 16.3

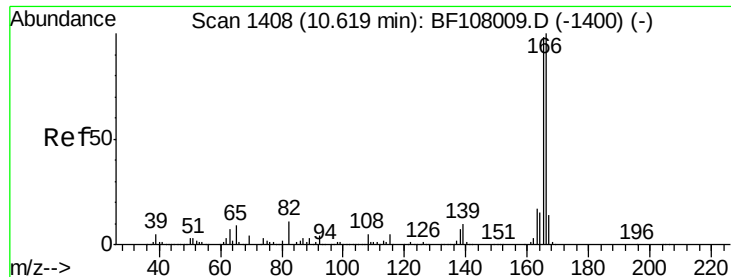


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





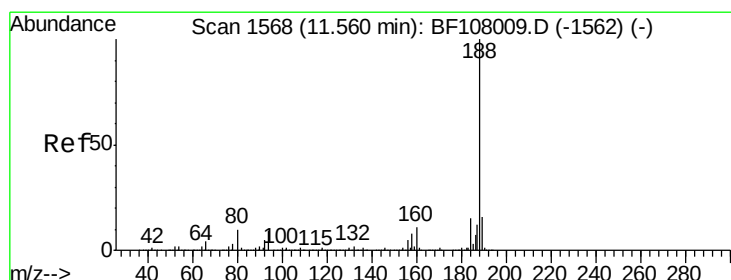
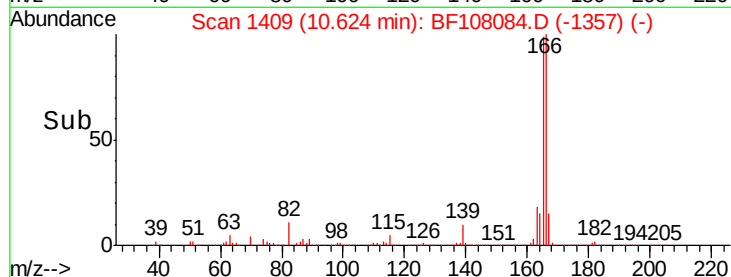
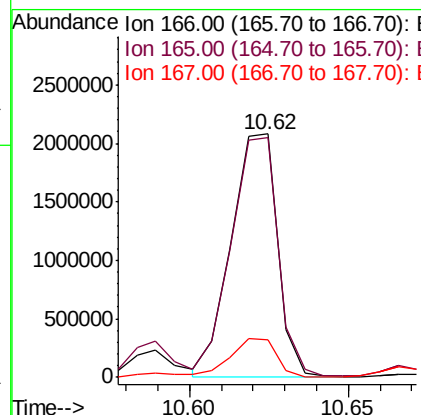
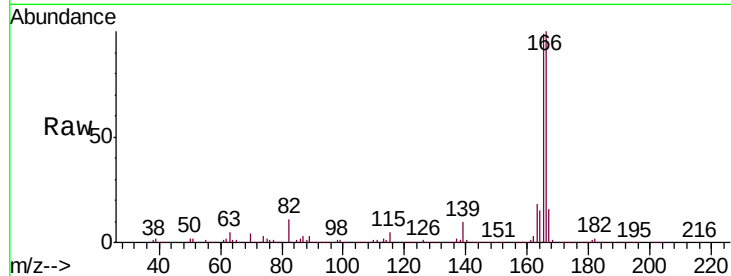
#57
Fluorene
 Concen: 64.043 ng
 RT: 10.62 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-9B

Tgt Ion:166 Resp: 2100321
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.8 119.8
 167 15.5 10.6 16.0

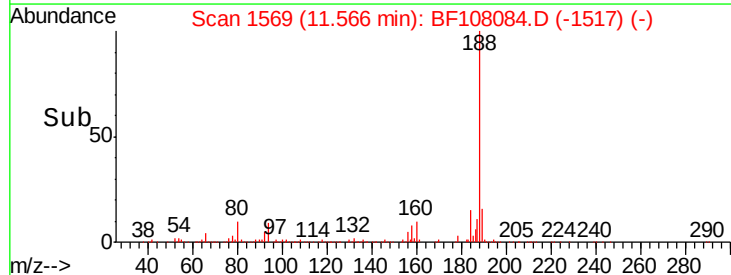
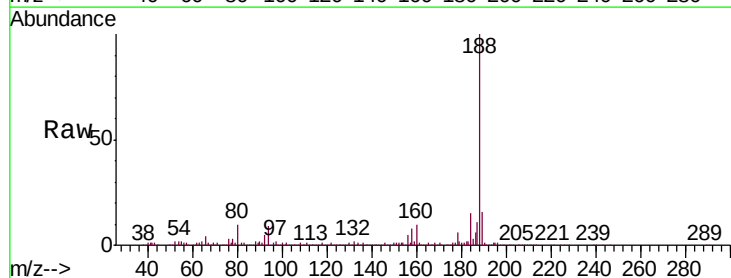
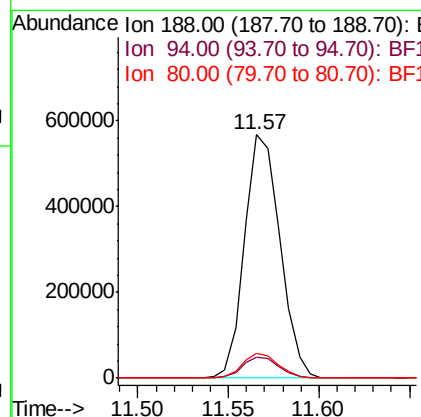
Manual Integrations
 APPROVED

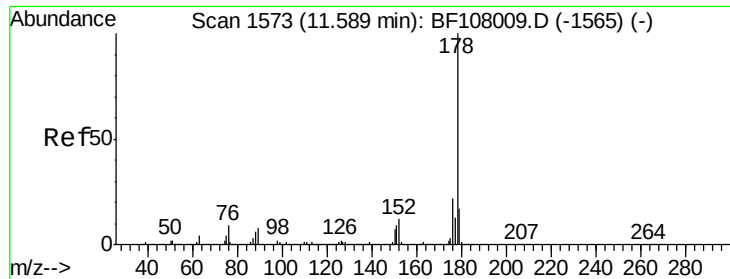
Sohil
 8/13/2018 3:51:51 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Tgt Ion:188 Resp: 773510
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 10.0 9.2 13.8





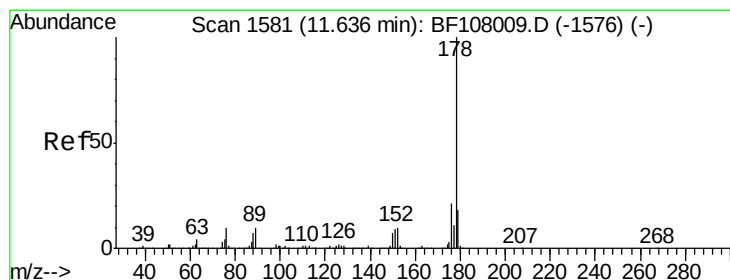
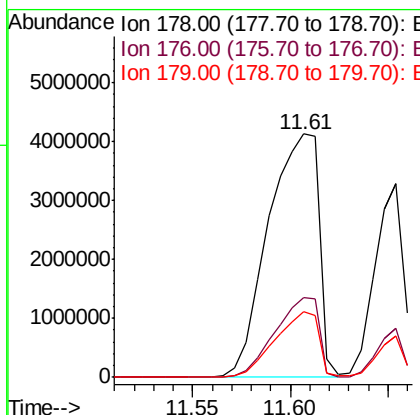
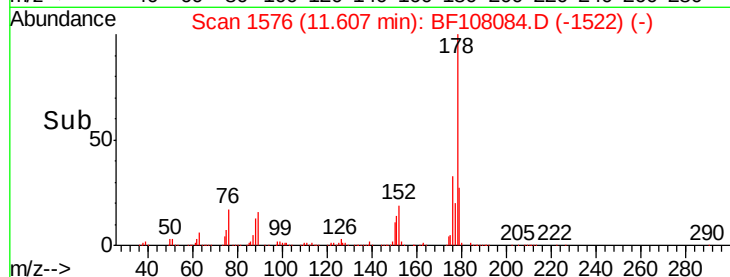
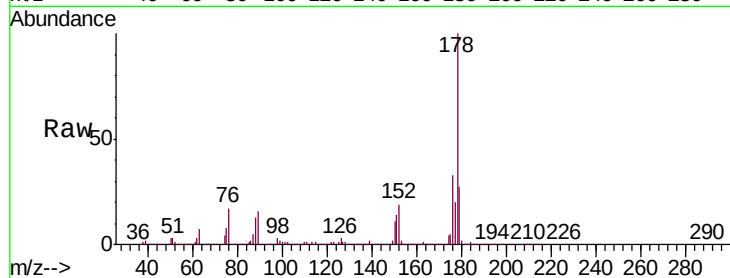
#70
Phenanthrene
Concen: 203.034 ng
RT: 11.61 min Scan# 1576
Delta R.T. 0.02 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-9B

Tgt Ion:178 Resp: 7407426
Ion Ratio Lower Upper
178 100
176 32.8 15.8 23.8#
179 27.2 13.0 19.6#

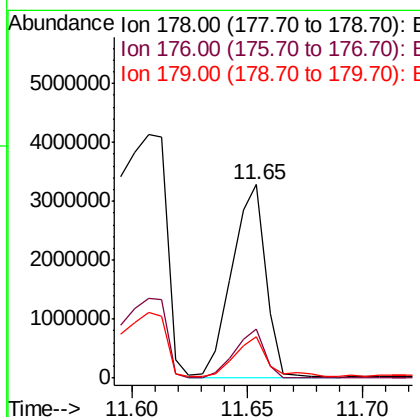
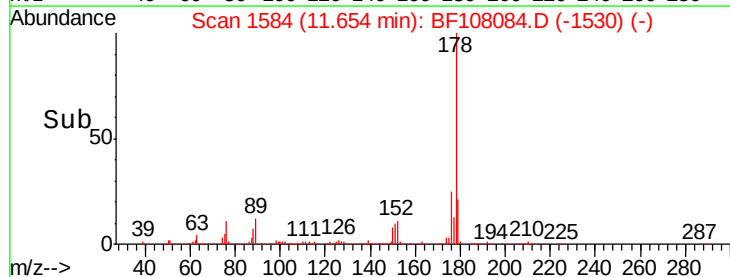
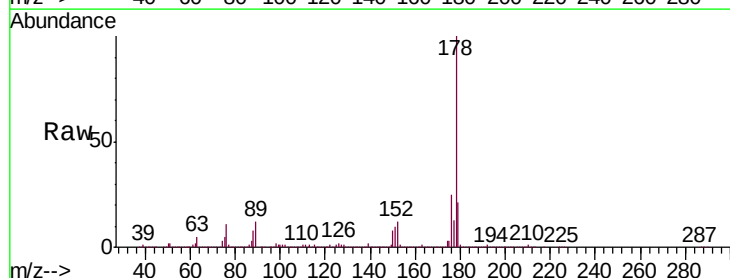
Manual Integrations
APPROVED

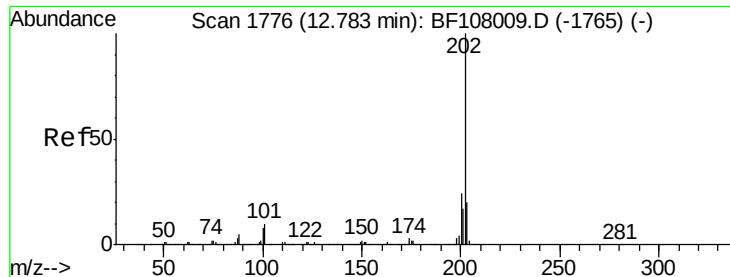
Sohil
8/13/2018 3:51:51 PM



#71
Anthracene
Concen: 89.030 ng
RT: 11.65 min Scan# 1584
Delta R.T. 0.02 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Tgt Ion:178 Resp: 3329104
Ion Ratio Lower Upper
178 100
176 25.1 15.4 23.2#
179 21.3 12.6 19.0#





#74

Fluoranthene

Concen: 125.435 ng

RT: 12.80 min Scan# 1779

Delta R.T. 0.02 min

Lab File: BF108084.D

Acq: 10 Aug 2018 15:22

Instrument :

BNA_F

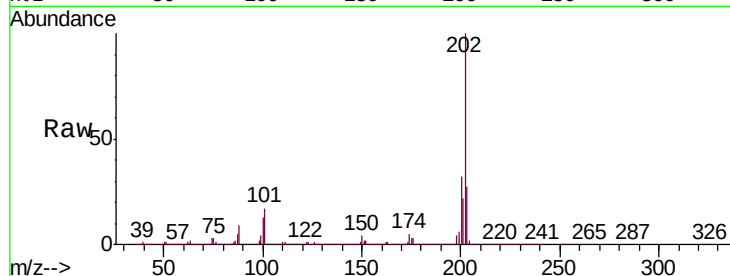
ClientSampleId :

2018-NYSEG-CLARK-AREA-9B

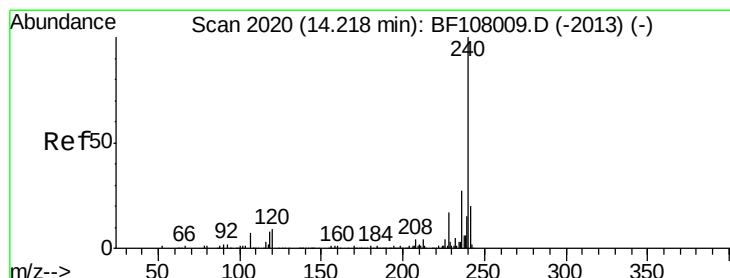
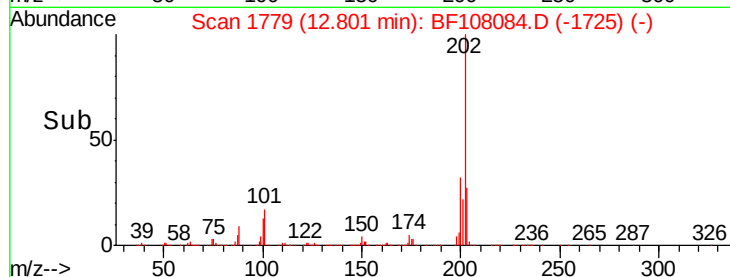
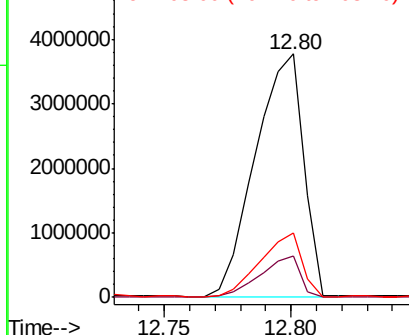
Tgt Ion:	202	Resp:	4994526
Ion	Ratio	Lower	Upper
202	100		
101	16.8	0.0	34.1
203	26.7	0.0	38.1

Manual Integrations
APPROVED

Sohil
8/13/2018 3:51:51 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

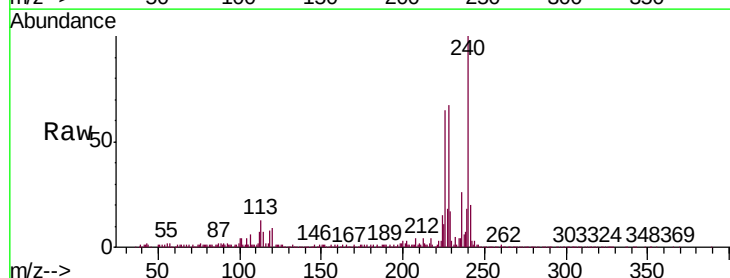
RT: 14.23 min Scan# 2022

Delta R.T. 0.01 min

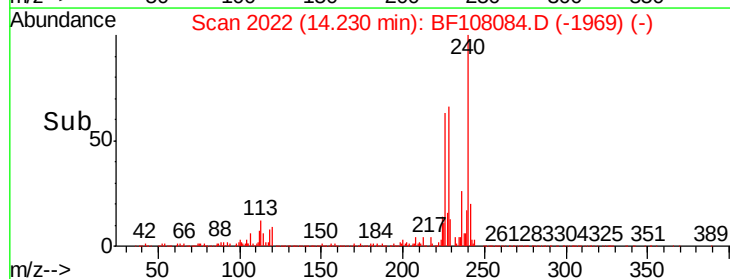
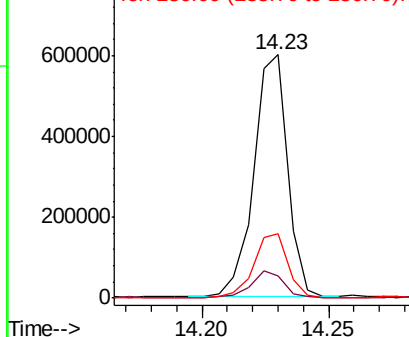
Lab File: BF108084.D

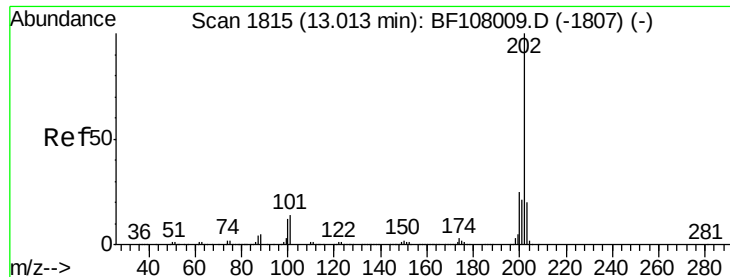
Acq: 10 Aug 2018 15:22

Tgt Ion:	240	Resp:	559278
Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	26.3	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 169.049 ng m

RT: 13.04 min Scan# 1819

Delta R.T. 0.02 min

Lab File: BF108084.D

Acq: 10 Aug 2018 15:22

Instrument :

BNA_F

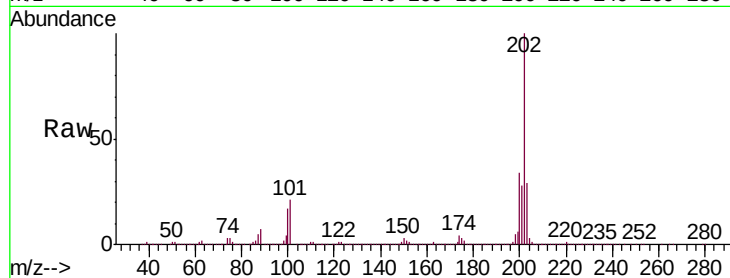
ClientSampleId :

2018-NYSEG-CLARK-AREA-9B

Tgt Ion:	202	Resp:	5985691
Ion	Ratio	Lower	Upper
202	100		
200	33.7	17.4	26.2#
203	28.5	14.3	21.5#

Manual Integrations
APPROVED

Sohil
8/13/2018 3:51:51 PM

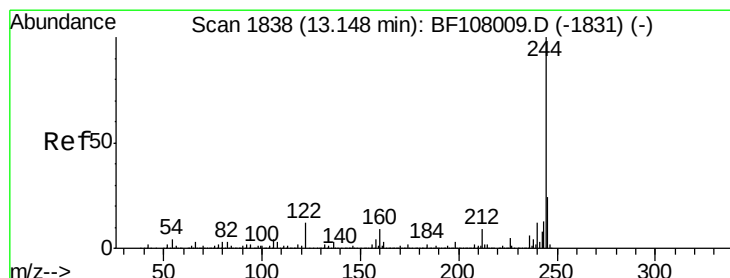
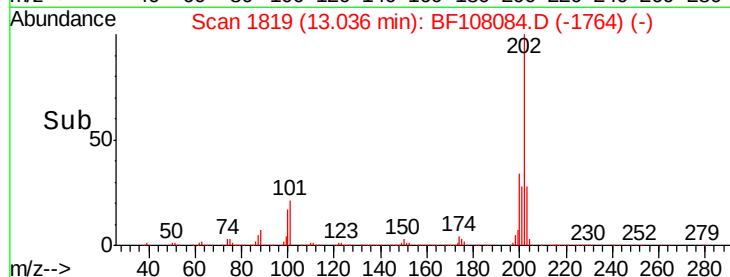
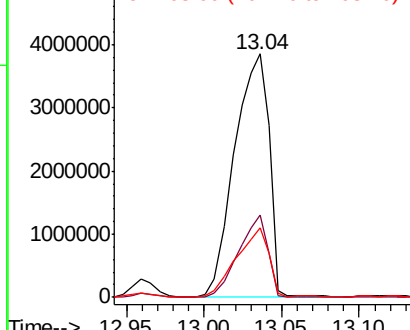


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 9.651 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108084.D

Acq: 10 Aug 2018 15:22

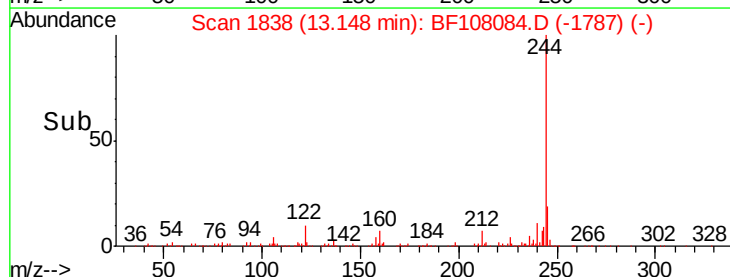
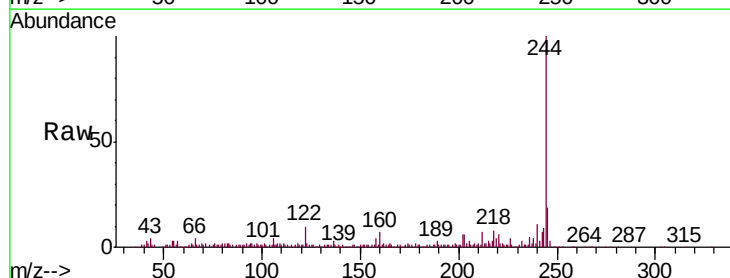
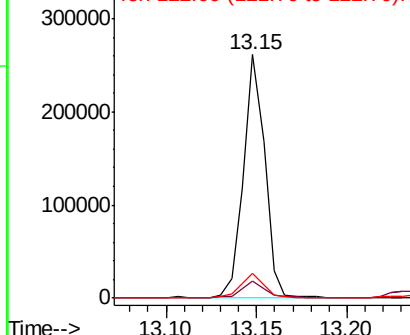
Tgt Ion:	244	Resp:	212292
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.2	11.0	16.4#

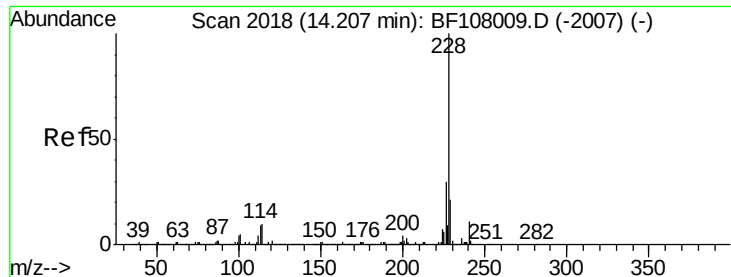
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





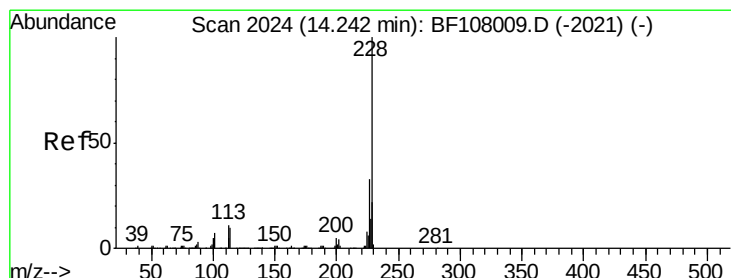
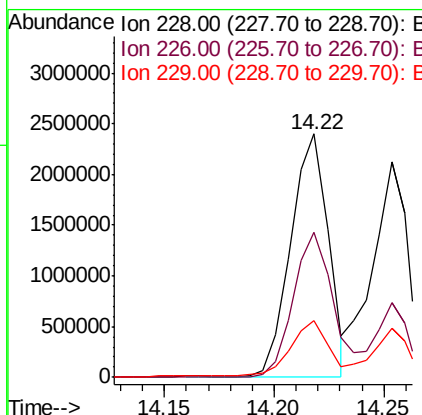
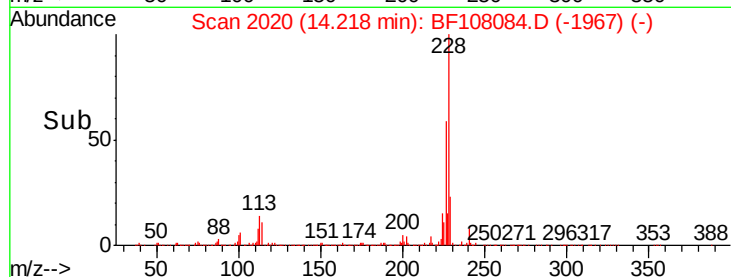
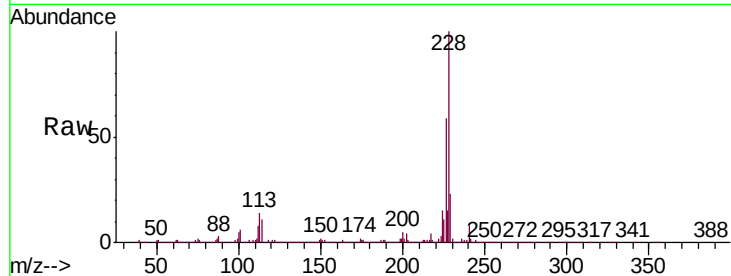
#80
Benzo(a)anthracene
Concen: 88.093 ng m
RT: 14.22 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-9B

Tgt Ion:228 Resp: 2827501
Ion Ratio Lower Upper
228 100
226 59.4 22.6 33.8#
229 23.4 15.8 23.6

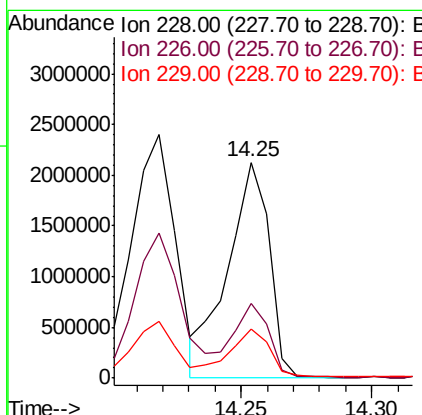
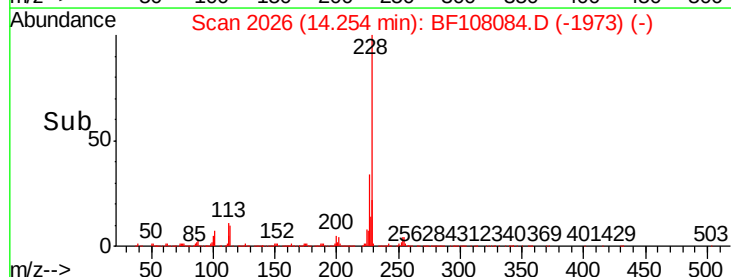
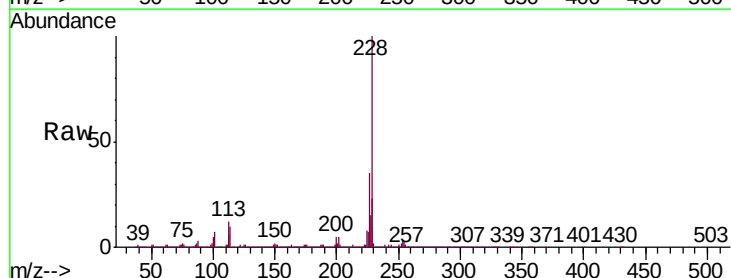
Manual Integrations
APPROVED

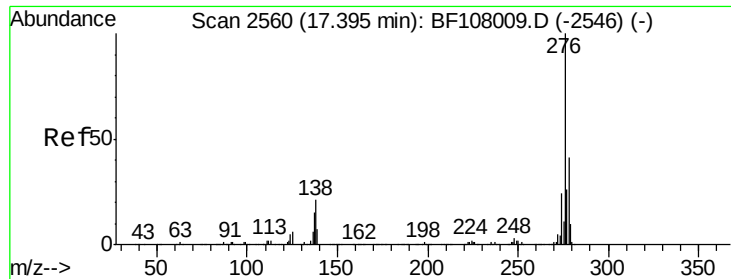
Sohil
8/13/2018 3:51:51 PM



#82
Chrysene
Concen: 80.467 ng m
RT: 14.25 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Tgt Ion:228 Resp: 2367833
Ion Ratio Lower Upper
228 100
226 34.6 25.0 37.6
229 22.8 16.2 24.4





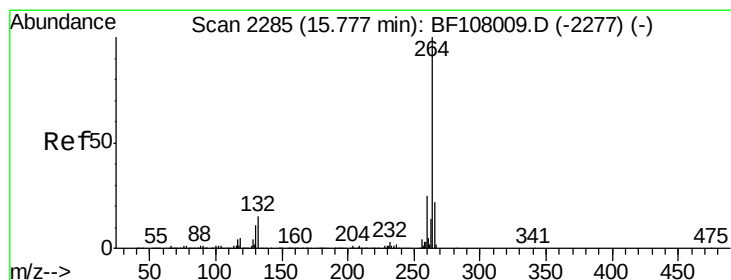
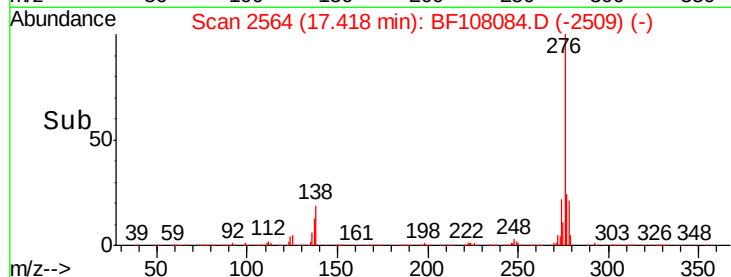
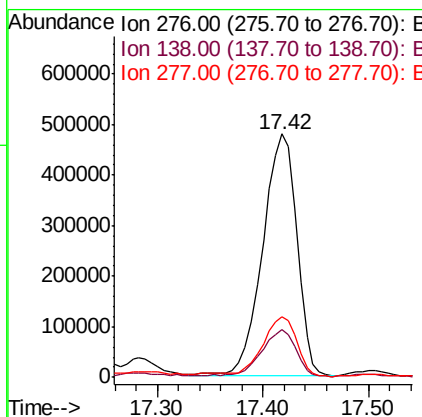
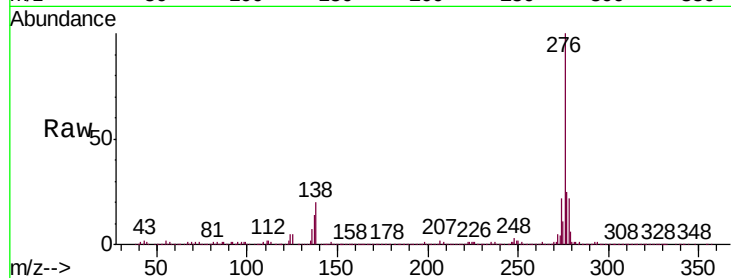
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.878 ng
 RT: 17.42 min Scan# 2564
 Delta R.T. 0.02 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.0	37.6#
277	24.7	20.1	30.1

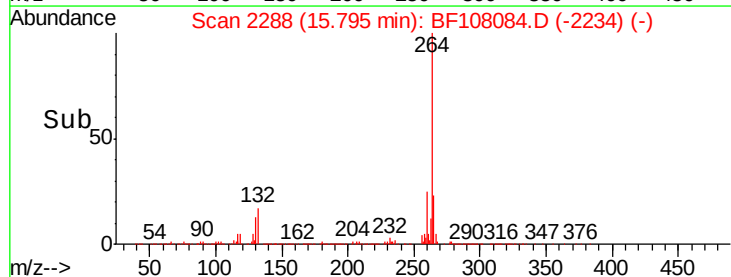
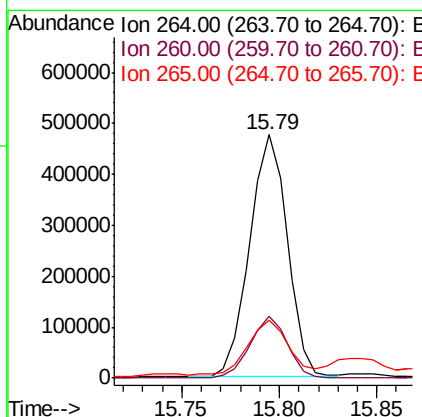
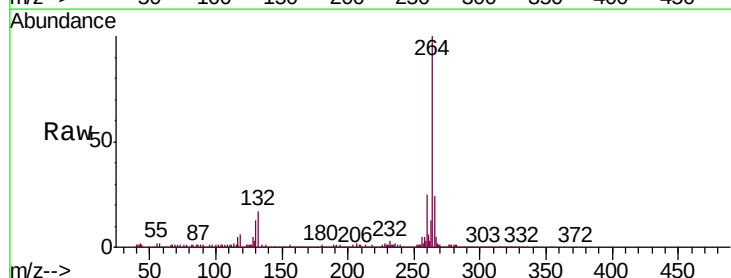
Manual Integrations
 APPROVED

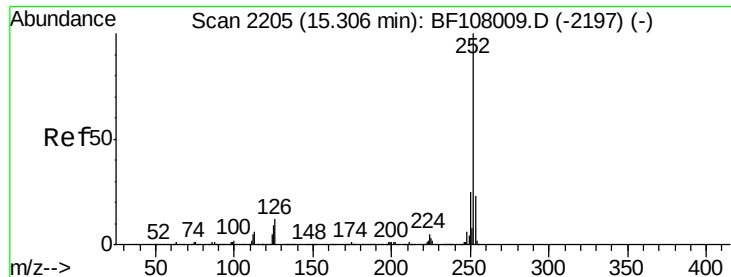
Sohil
 8/13/2018 3:51:51 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.79 min Scan# 2288
 Delta R.T. 0.02 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.8	17.5	26.3





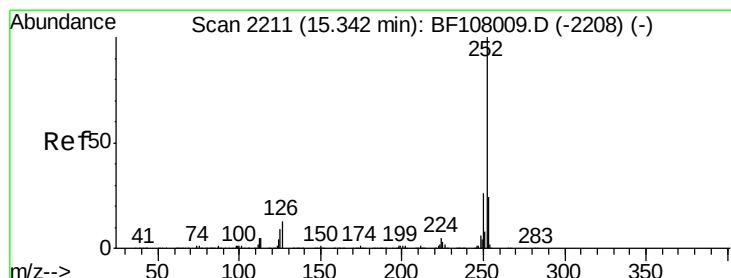
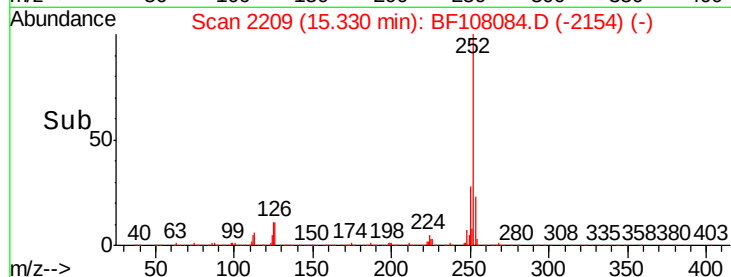
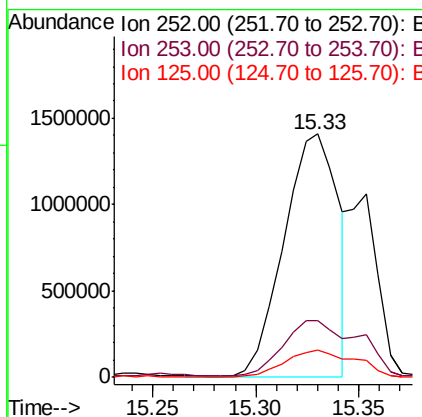
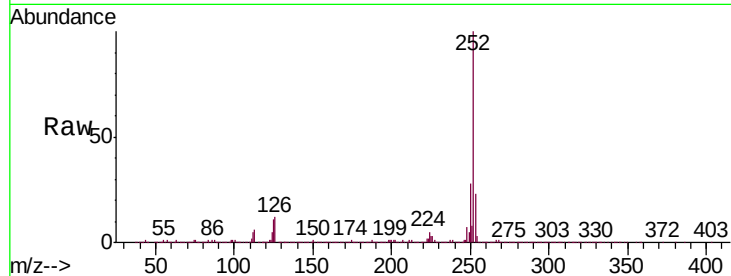
#87
Benzo(b)fluoranthene
Concen: 68.441 ng m
RT: 15.33 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	11.0	9.0	13.6

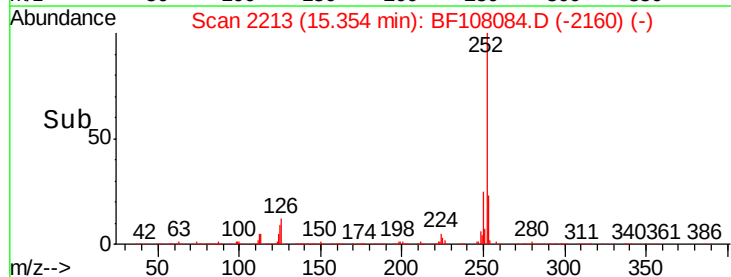
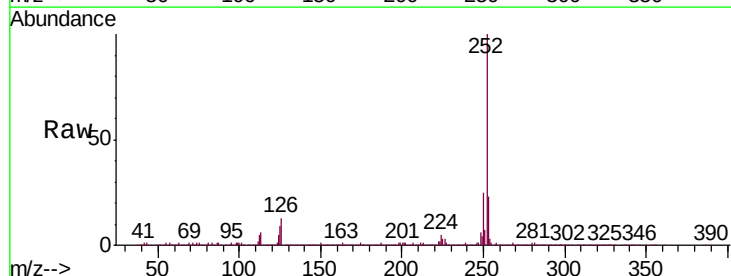
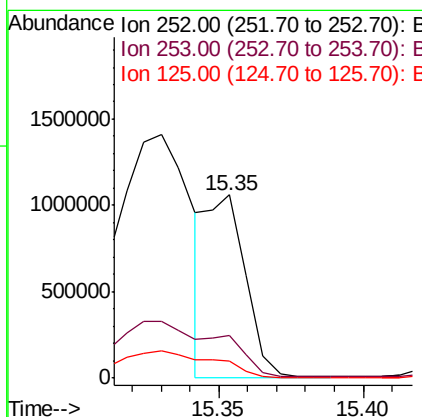
Manual Integrations
APPROVED

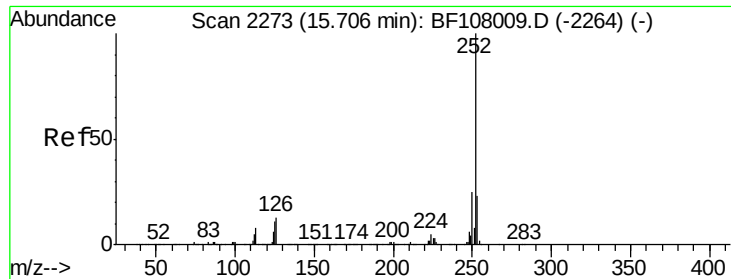
Sohil
8/13/2018 3:51:51 PM



#88
Benzo(k)fluoranthene
Concen: 28.210 ng m
RT: 15.35 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.3	10.2	15.2#





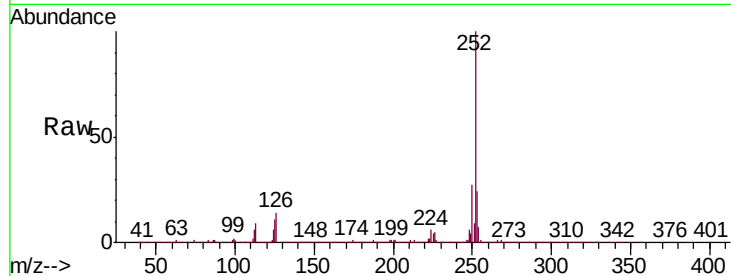
#89
Benzo(a)pyrene
Concen: 81.623 ng
RT: 15.74 min Scan# 2278
Delta R.T. 0.03 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-9B

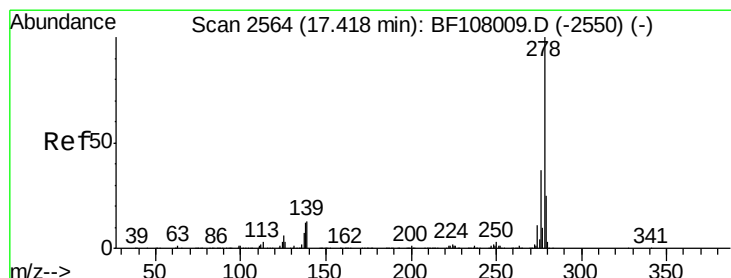
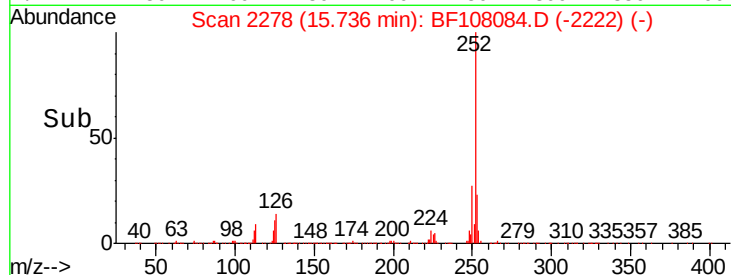
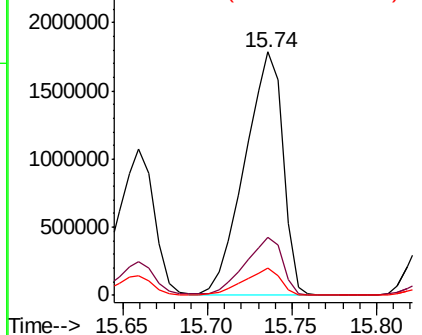
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	11.0	9.8	14.6

Manual Integrations
APPROVED

Sohil
8/13/2018 3:51:51 PM

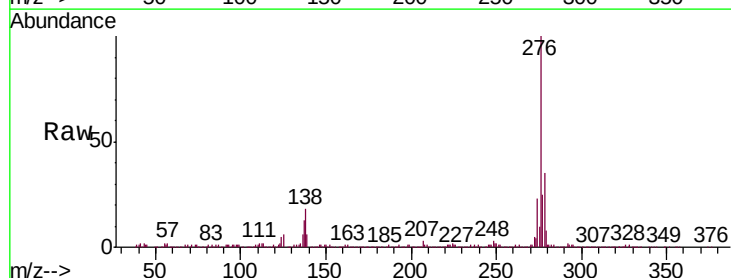


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

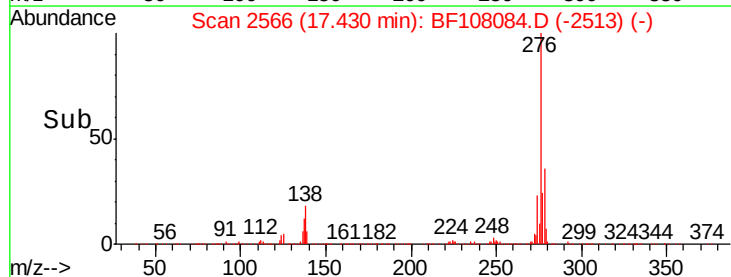
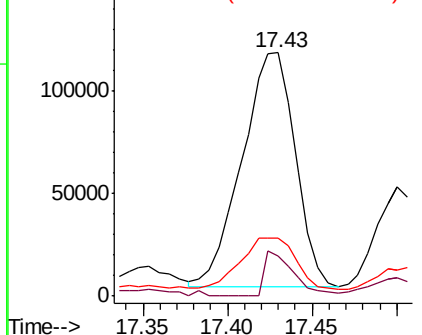


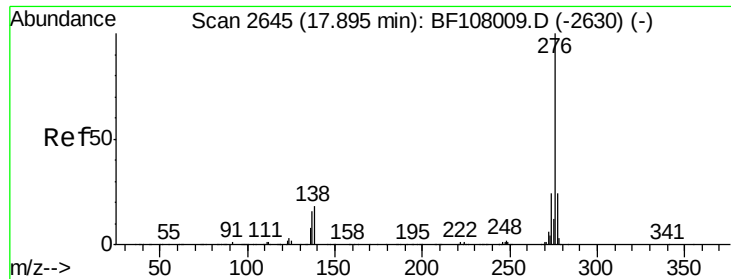
#90
Dibenzo(a,h)anthracene
Concen: 8.907 ng
RT: 17.43 min Scan# 2566
Delta R.T. 0.01 min
Lab File: BF108084.D
Acq: 10 Aug 2018 15:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	15.9	23.9
279	23.8	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 37.094 ng
 RT: 17.92 min Scan# 2649
 Delta R.T. 0.02 min
 Lab File: BF108084.D
 Acq: 10 Aug 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-9B

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	20.1	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 8/13/2018 3:51:51 PM

