

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108123.D
 Acq On : 13 Aug 2018 18:26
 Operator : JU/SJ
 Sample : J4409-11 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12B

Manual Integrations
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Sohil
 8/14/2018 2:36:47 PM

Quant Time: Aug 14 01:38:27 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	217601	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	799893	20.00	ng	0.00
38) Acenaphthene-d10	10.08	164	366359	20.00	ng	0.01
63) Phenanthrene-d10	11.58	188	670828	20.00	ng	0.02
75) Chrysene-d12	14.24	240	509121	20.00	ng	0.02
86) Perylene-d12	15.82	264	369477	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	99148	8.25	ng	0.00
7) Phenol-d6	6.63	99	137828	8.63	ng	0.00
23) Nitrobenzene-d5	7.58	82	78071	5.45	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	20976	5.74	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	161353	7.07	ng	0.00
78) Terphenyl-d14	13.16	244	156565	7.82	ng	0.01
Target Compounds						
31) Naphthalene	8.33	128	301286	8.282	ng	98
37) 2-Methylnaphthalene	9.02	142	57679	2.241	ng	98
51) Acenaphthene	10.11	154	355925	17.217	ng	99
54) Dibenzofuran	10.28	168	218502	7.296	ng	99
57) Fluorene	10.62	166	297390	12.543	ng	97
70) Phenanthrene	11.61	178	2833786m	89.562	ng	
71) Anthracene	11.65	178	971868m	29.969	ng	
72) Carbazole	11.80	167	511862	17.765	ng	98
74) Fluoranthene	12.81	202	3261279	94.443	ng	94
77) Pyrene	13.04	202	2907633	90.208	ng	94
80) Benzo(a)anthracene	14.23	228	1436406	49.161	ng	97
82) Chrysene	14.27	228	1137901	42.479	ng	96
85) Indeno(1,2,3-cd)pyrene	17.46	276	384579	16.570	ng	# 87
87) Benzo(b)fluoranthene	15.34	252	1046082m	47.382	ng	
88) Benzo(k)fluoranthene	15.37	252	400247m	19.722	ng	
89) Benzo(a)pyrene	15.75	252	725366	36.690	ng	94
90) Dibenzo(a,h)anthracene	17.47	278	98638	6.030	ng	# 92
91) Benzo(g,h,i)perylene	17.97	276	352181	21.865	ng	# 90

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

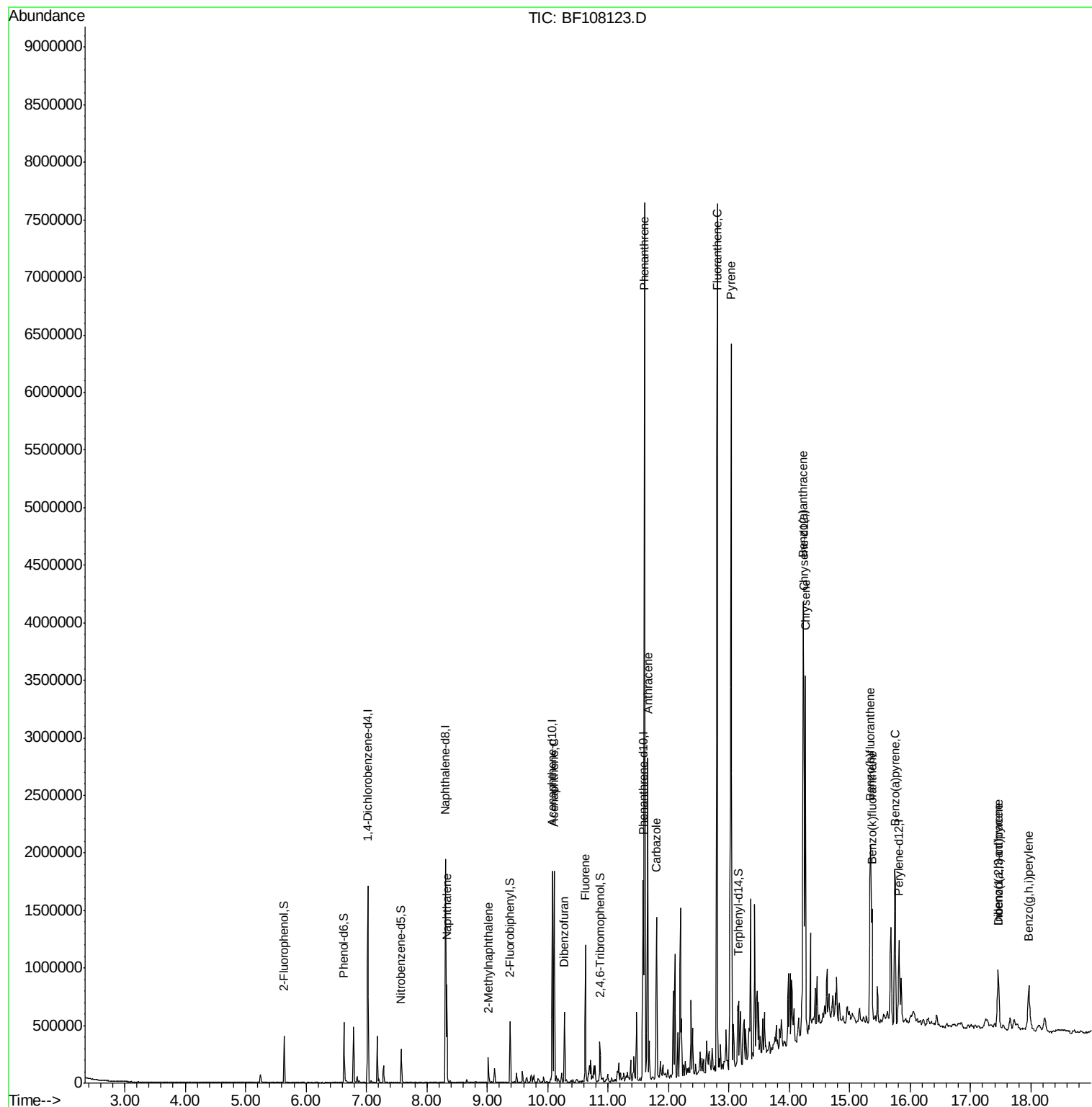
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
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ALS Vial : 16 Sample Multiplier: 1

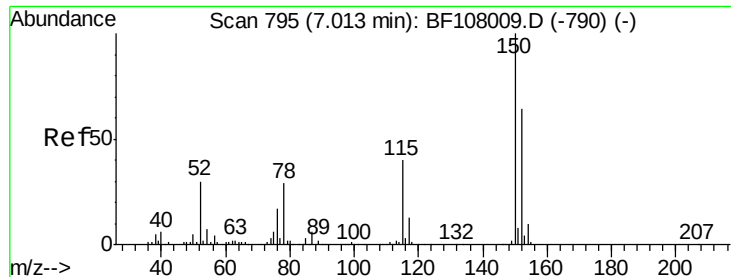
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12B

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#1

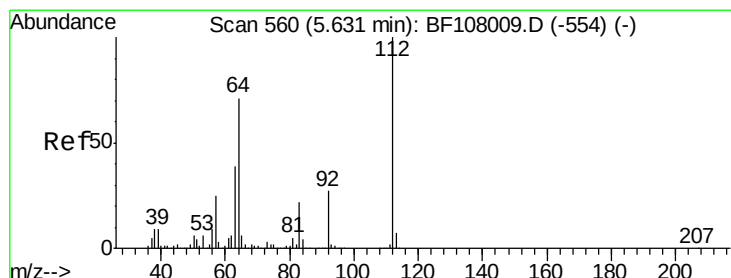
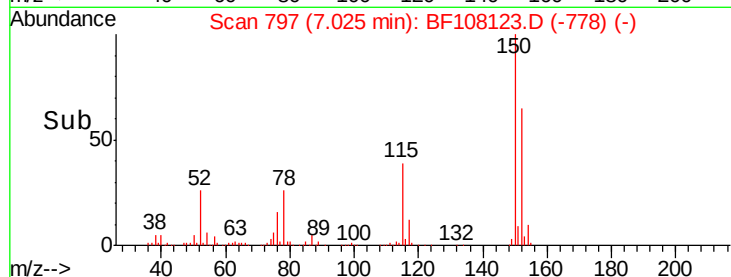
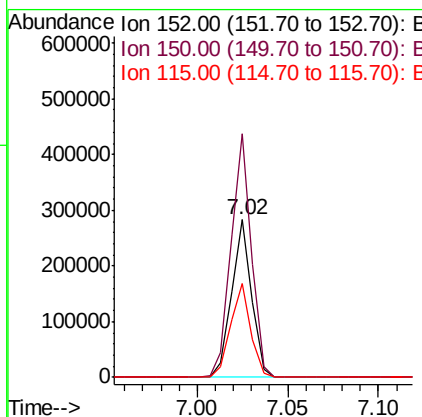
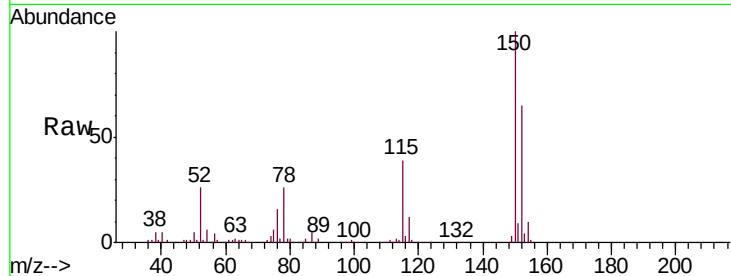
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12B

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	217601		
150	154.8	124.6	186.8	
115	59.7	50.1	75.1	

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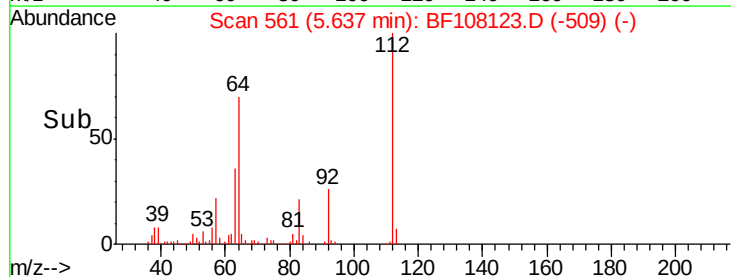
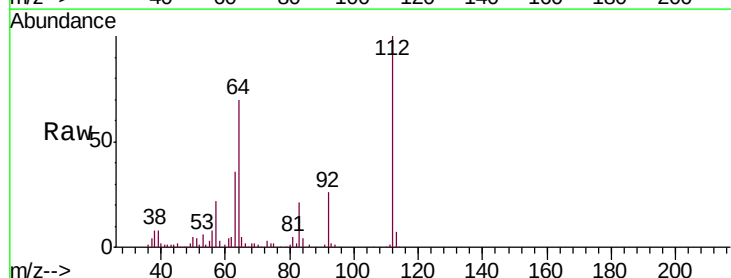
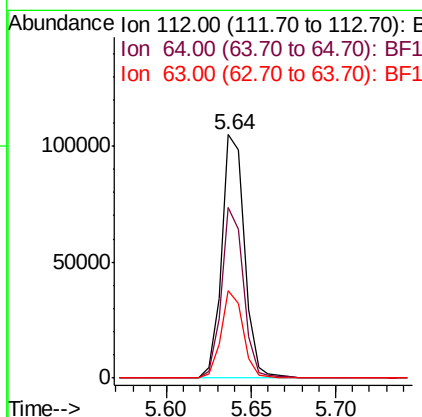
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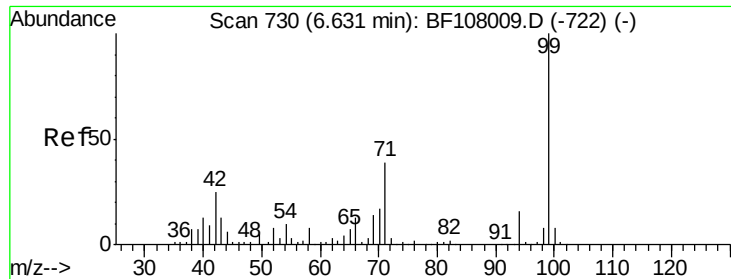


#5

2-Fluorophenol
Concen: 8.249 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	99148		
64	70.1	47.9	71.9	
63	36.0	23.7	35.5	





#7

Phenol-d6

Concen: 8.629 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Instrument :

BNA_F

ClientSampleId :

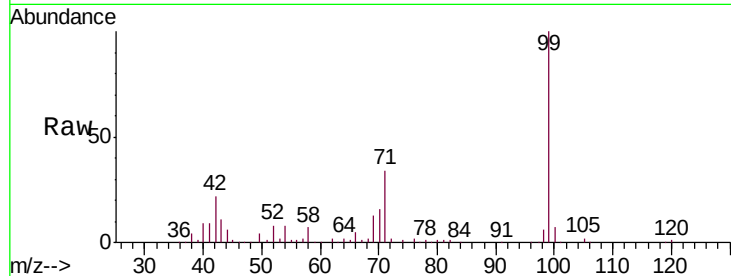
2018-NYSEG-CLARK-AREA-12B

Tgt Ion: 99 Resp: 137828

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.5	21.7#
71	34.4	25.4	38.0

Manual Integrations
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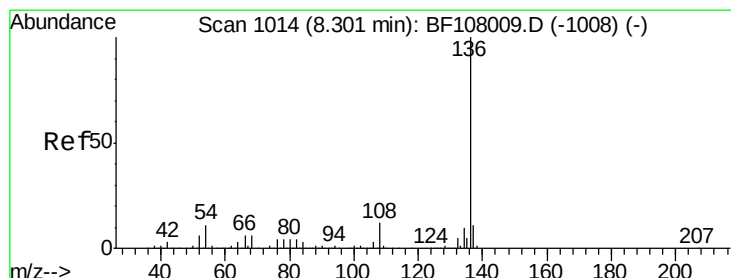
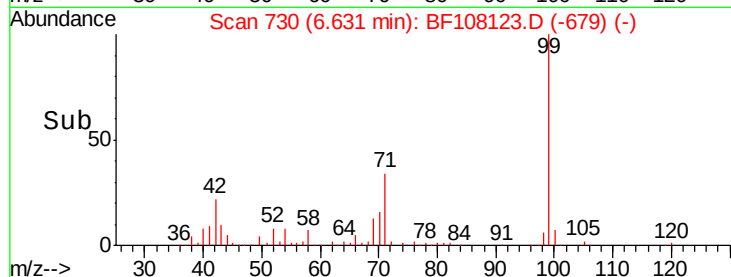
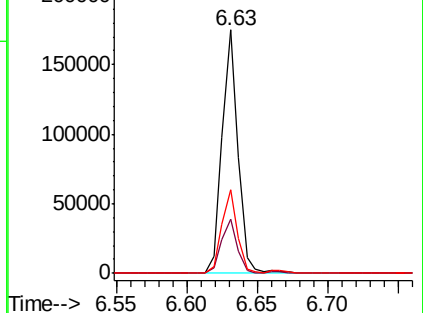
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Tgt Ion: 136 Resp: 799893

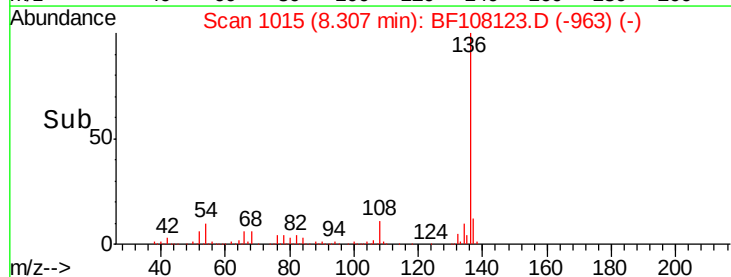
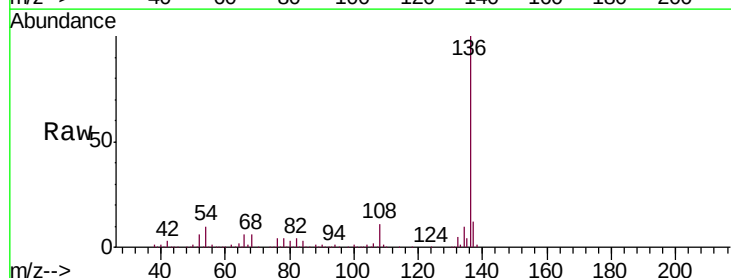
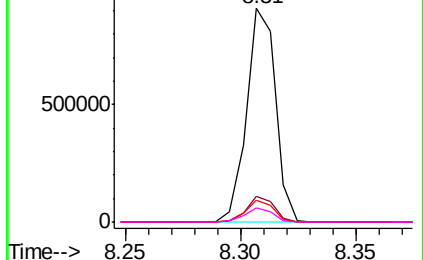
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	10.5	6.6	9.8#
68	6.5	5.0	7.4

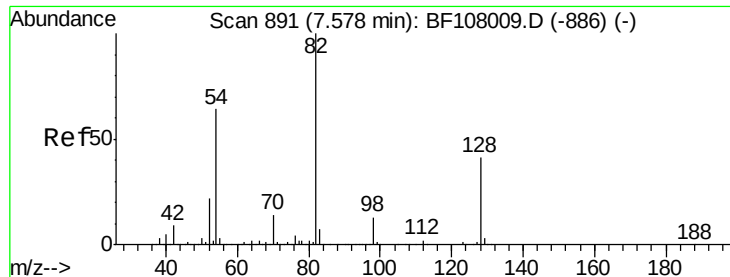
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





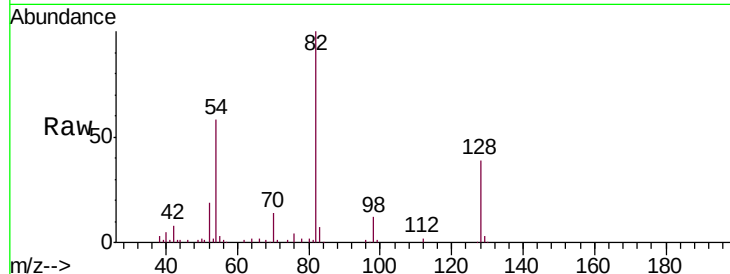
#23
Nitrobenzene-d5
Concen: 5.446 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.2	36.1	54.1
54	58.3	41.4	62.2

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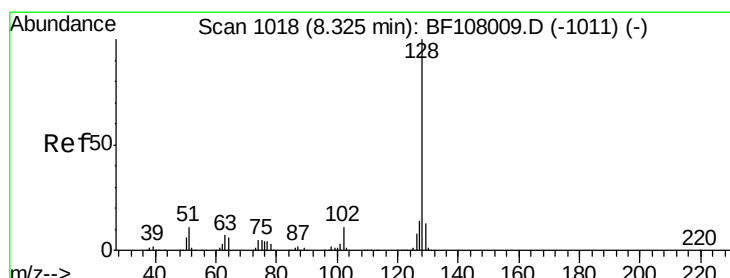
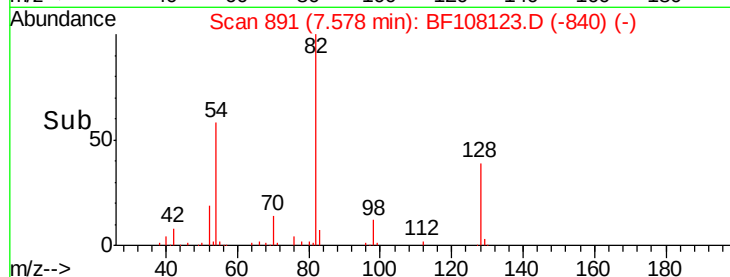
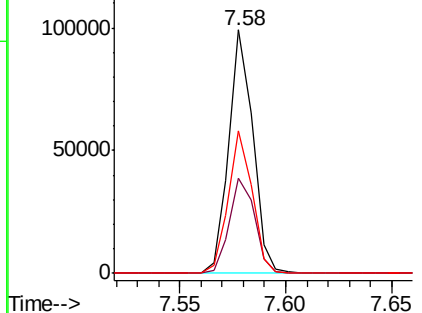


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 8.282 ng
RT: 8.33 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

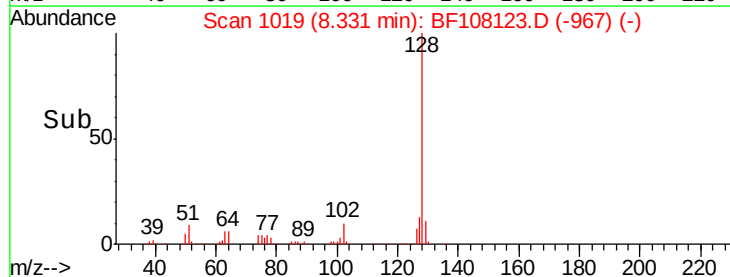
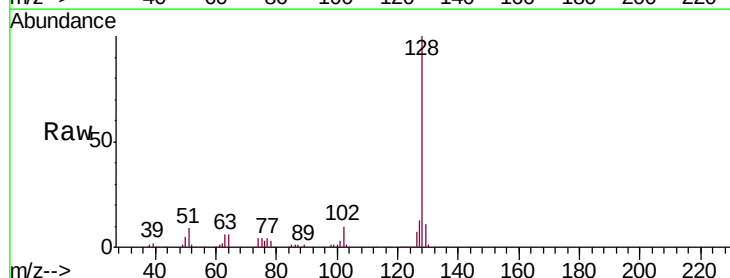
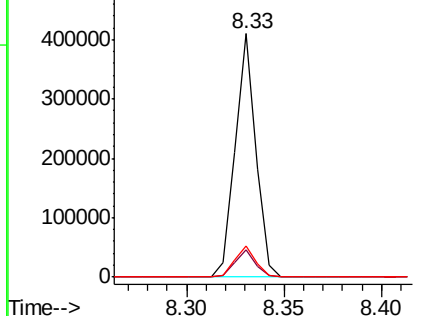
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.5	10.9	16.3

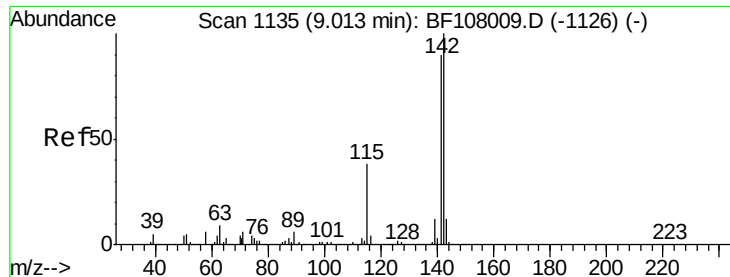
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





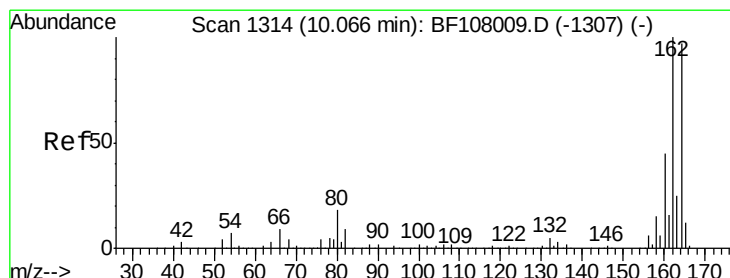
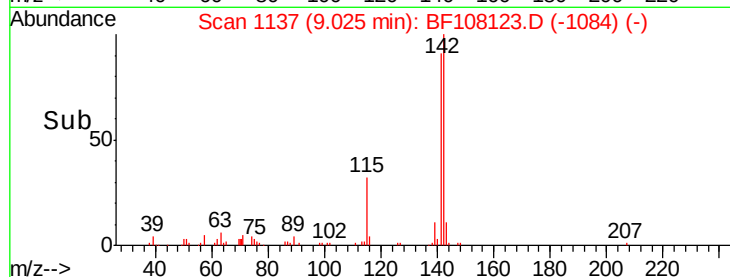
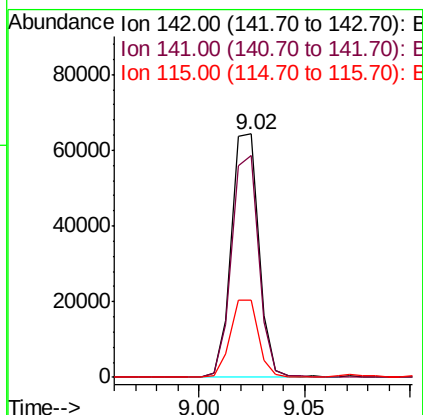
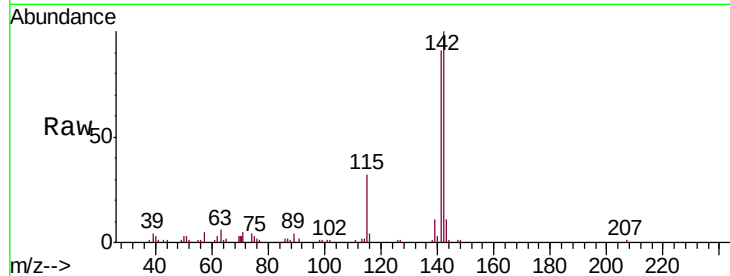
#37
 2-Methylnaphthalene
 Concen: 2.241 ng
 RT: 9.02 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: BF108123.D
 Acq: 13 Aug 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12B

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.8	106.2
115	31.8	26.1	39.1

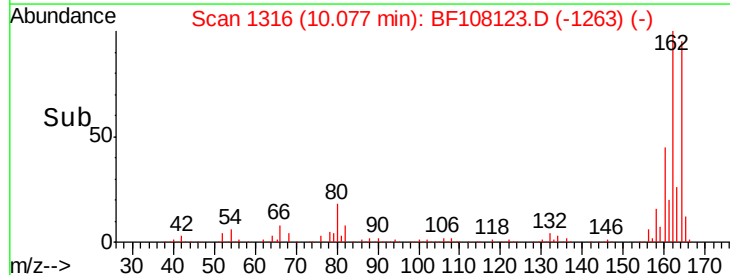
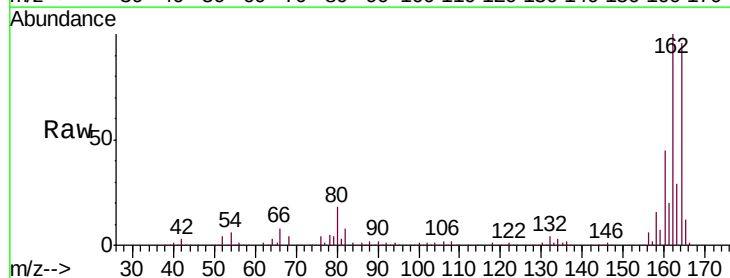
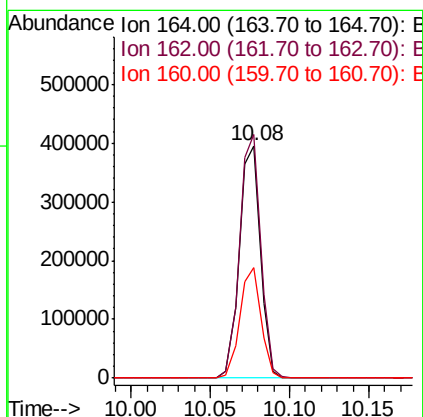
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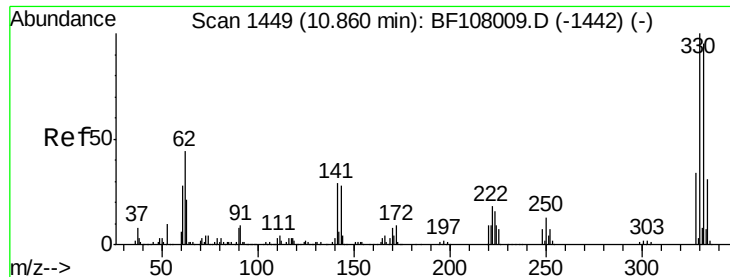
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.08 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: BF108123.D
 Acq: 13 Aug 2018 18:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	47.6	38.3	57.5





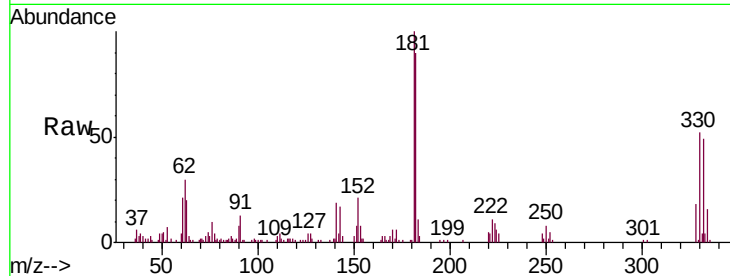
#41
 2,4,6-Tribromophenol
 Concen: 5.740 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108123.D
 Acq: 13 Aug 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	20976		
332	96.0	77.0	115.6	
141	37.7	29.9	44.9	

Manual Integrations
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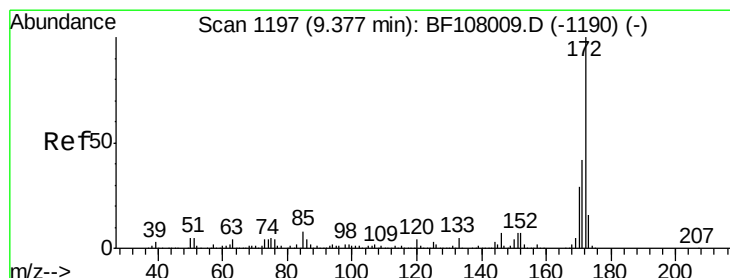
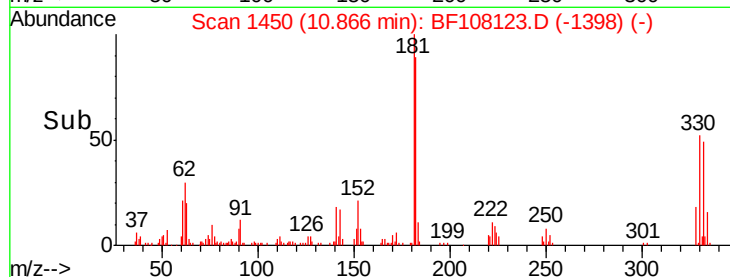
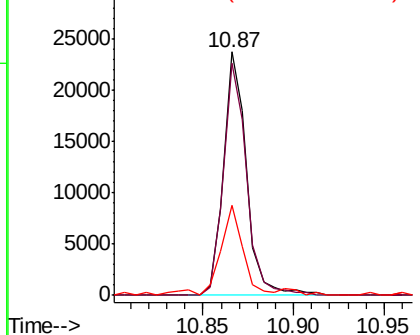


Abundance

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: 7.071 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108123.D
 Acq: 13 Aug 2018 18:26

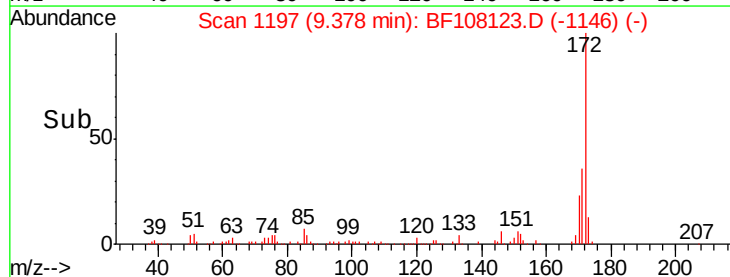
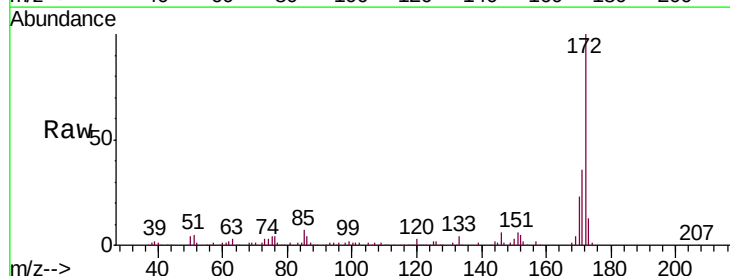
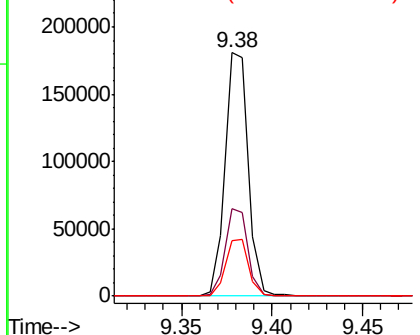
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	161353		
171	35.7	29.7	44.5	
170	22.9	19.6	29.4	

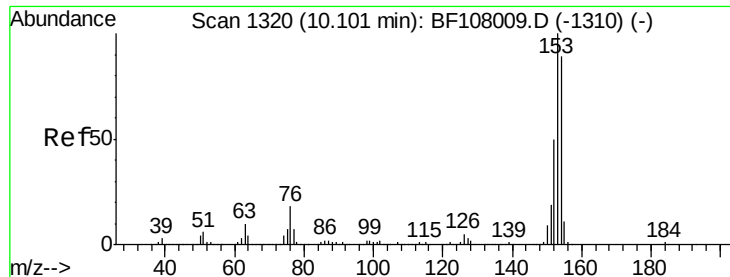
Abundance

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





#51

Acenaphthene

Concen: 17.217 ng

RT: 10.11 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Instrument :

BNA_F

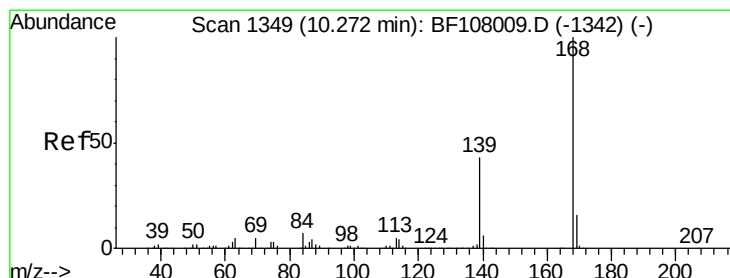
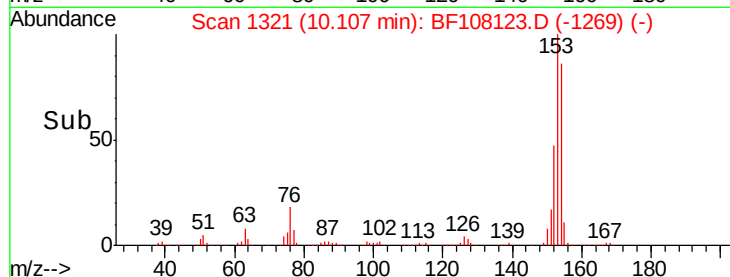
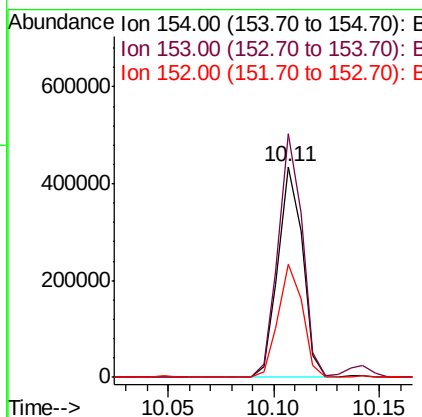
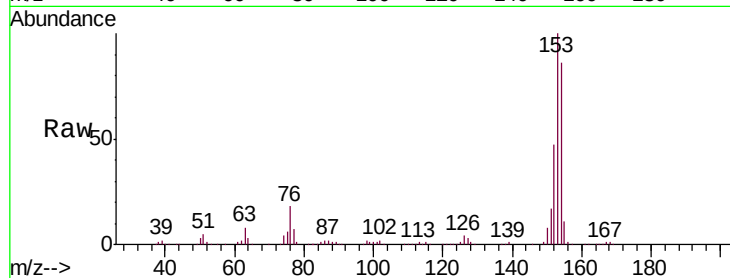
ClientSampleId :

2018-NYSEG-CLARK-AREA-12B

Tgt Ion:	154	Resp:	355925
Ion Ratio	Lower	Upper	
154	100		
153	115.7	91.2	136.8
152	54.0	43.8	65.8

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#54

Dibenzofuran

Concen: 7.296 ng

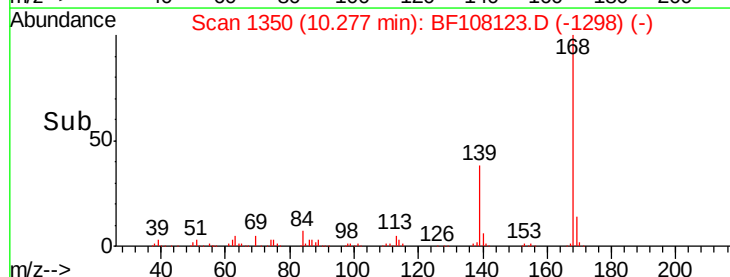
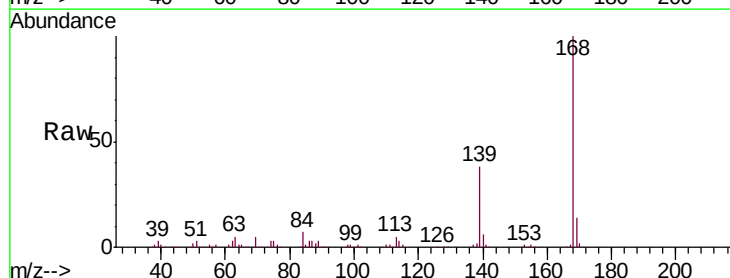
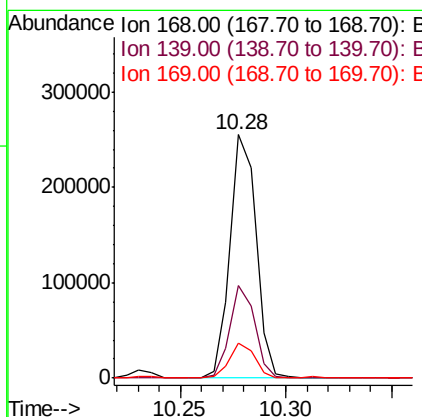
RT: 10.28 min Scan# 1350

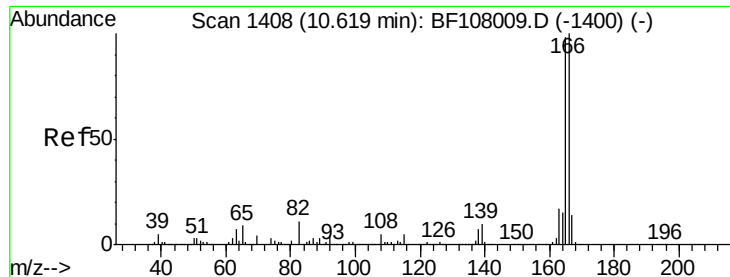
Delta R.T. 0.01 min

Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Tgt Ion:	168	Resp:	218502
Ion Ratio	Lower	Upper	
168	100		
139	38.0	30.1	45.1
169	14.4	10.9	16.3





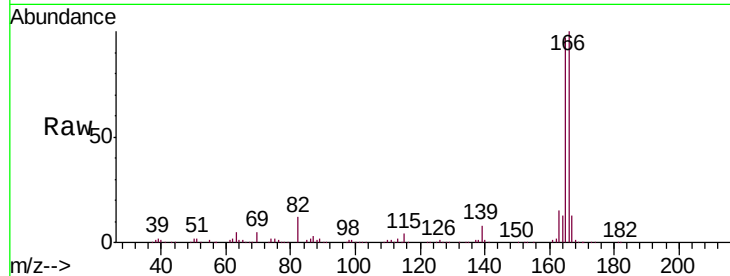
#57
 Fluorene
 Concen: 12.543 ng
 RT: 10.62 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: BF108123.D
 Acq: 13 Aug 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-12B

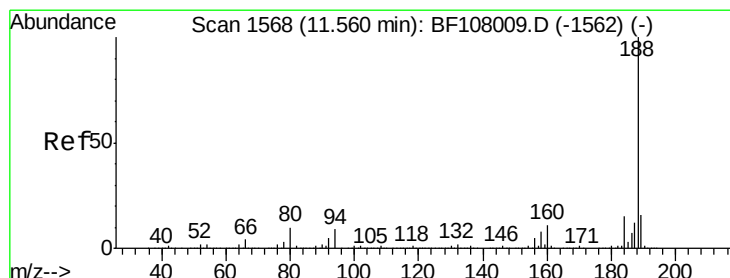
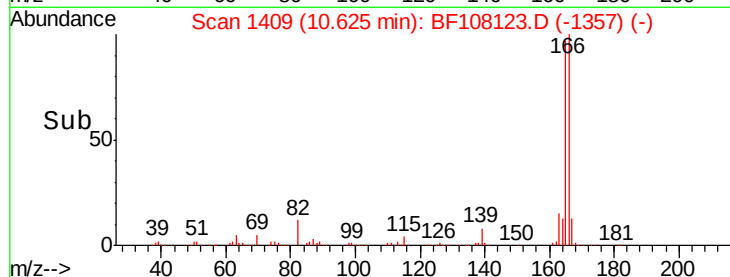
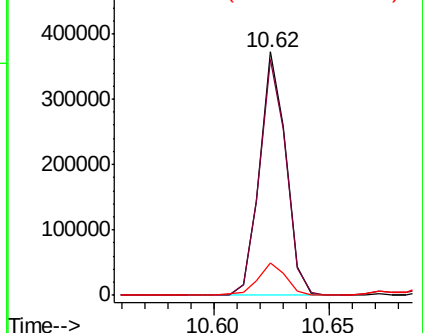
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	297390		
165	96.8	79.8	119.8	
167	13.2	10.6	16.0	

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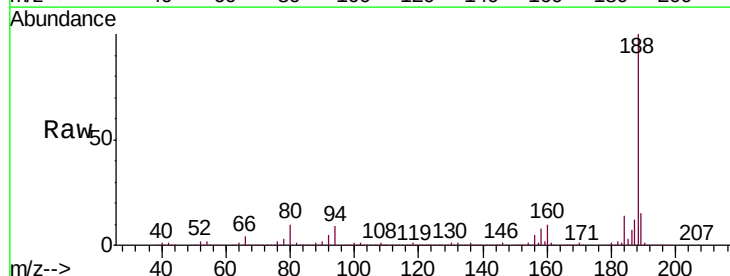


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

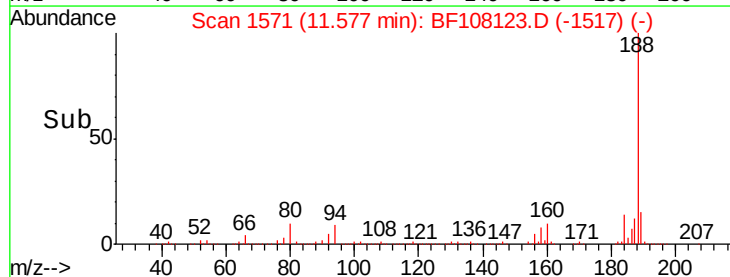
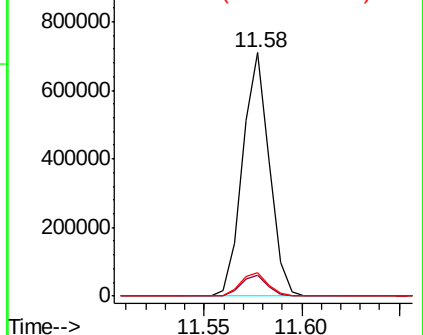


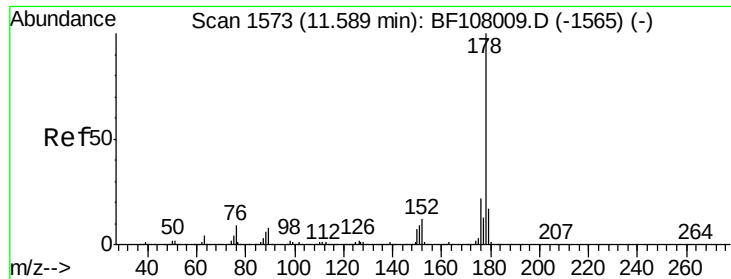
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: BF108123.D
 Acq: 13 Aug 2018 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	670828		
94	8.6	8.5	12.7	
80	9.8	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





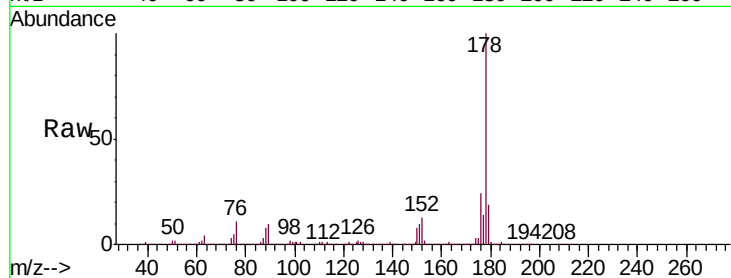
#70
Phenanthrene
Concen: 89.562 ng m
RT: 11.61 min Scan# 1576
Delta R.T. 0.02 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :
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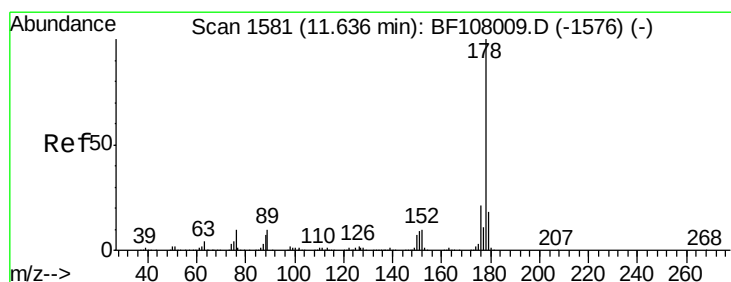
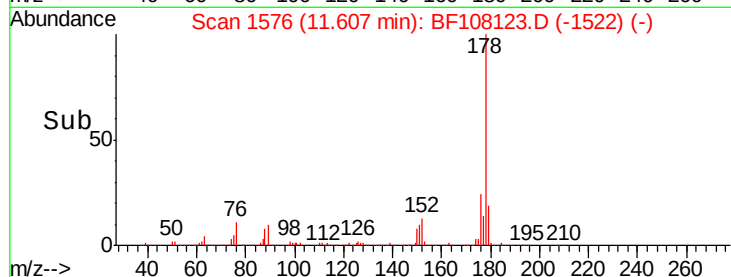
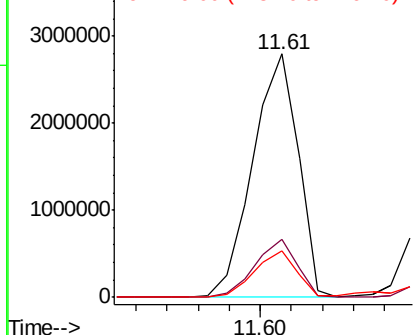
Tgt Ion:178 Resp: 2833786
Ion Ratio Lower Upper
178 100
176 23.9 15.8 23.8#
179 19.0 13.0 19.6

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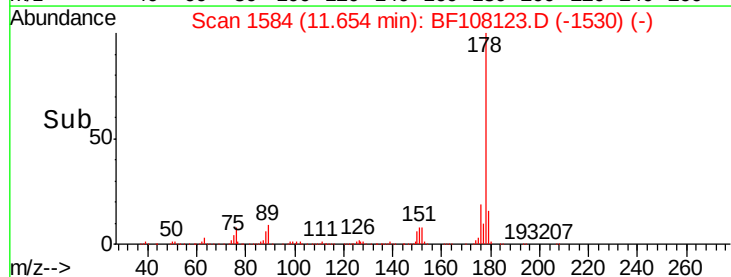
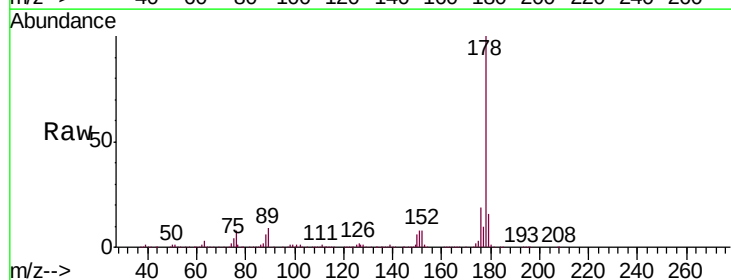
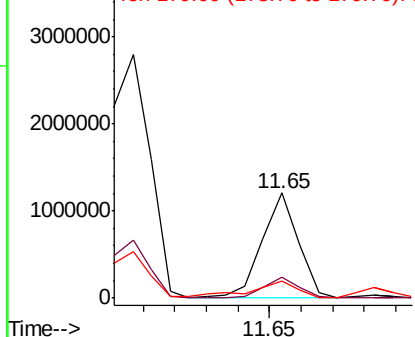
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

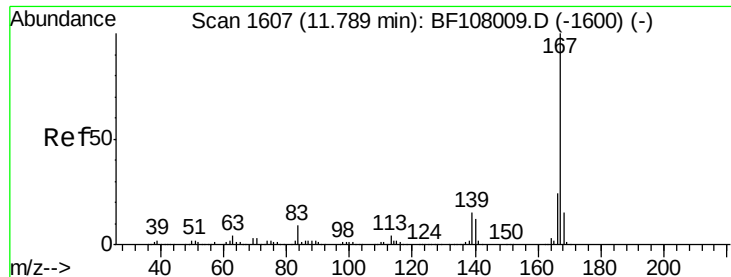


#71
Anthracene
Concen: 29.969 ng m
RT: 11.65 min Scan# 1584
Delta R.T. 0.02 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Tgt Ion:178 Resp: 971868
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 17.765 ng

RT: 11.80 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Instrument :

BNA_F

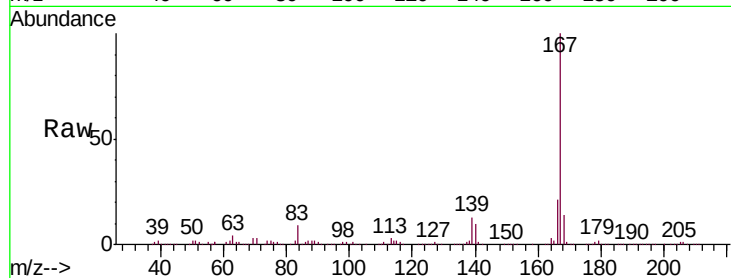
ClientSampleId :

2018-NYSEG-CLARK-AREA-12B

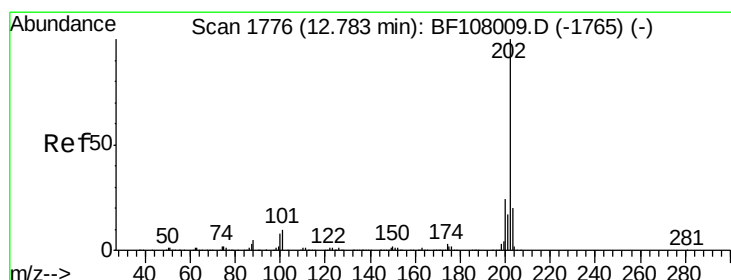
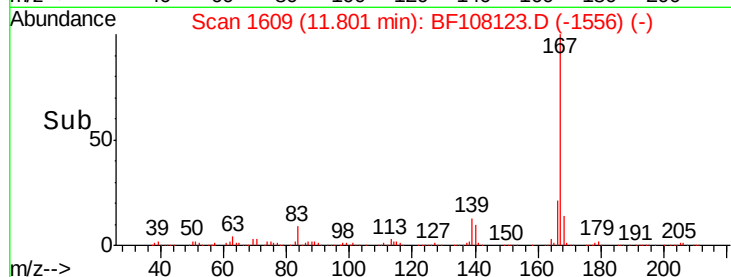
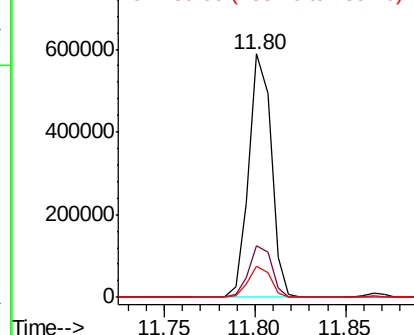
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	12.6	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
800000 Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 94.443 ng

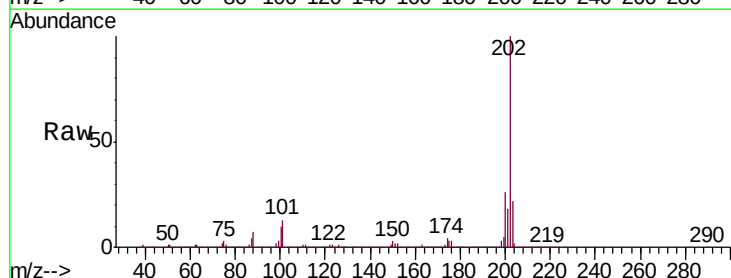
RT: 12.81 min Scan# 1780

Delta R.T. 0.02 min

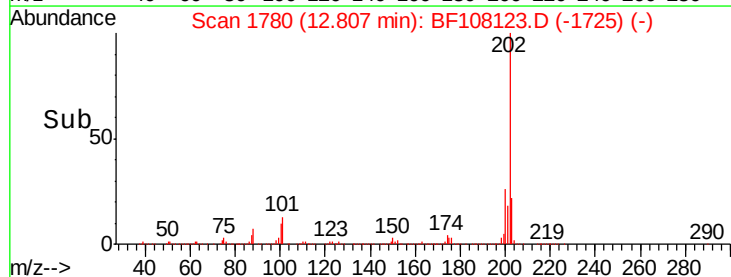
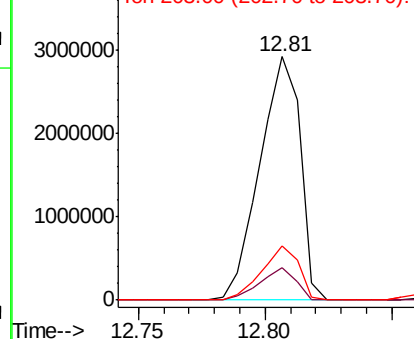
Lab File: BF108123.D

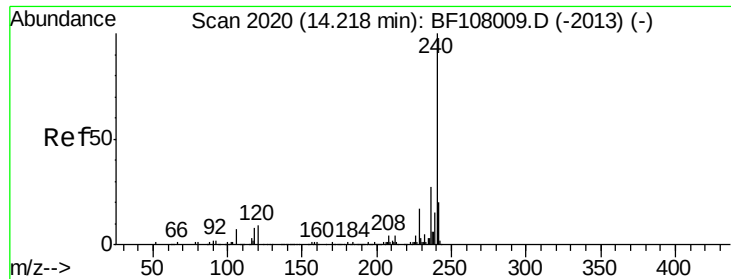
Acq: 13 Aug 2018 18:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	22.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
4000000 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: 14.24 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Instrument :

BNA_F

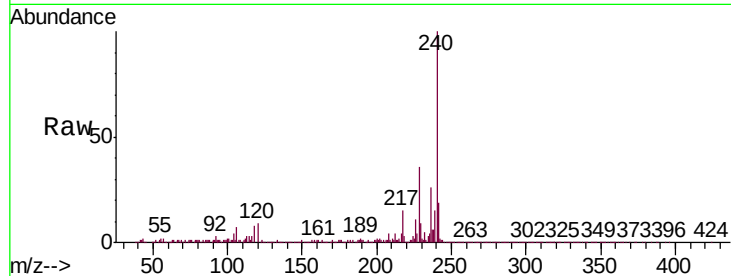
ClientSampleId :

2018-NYSEG-CLARK-AREA-12B

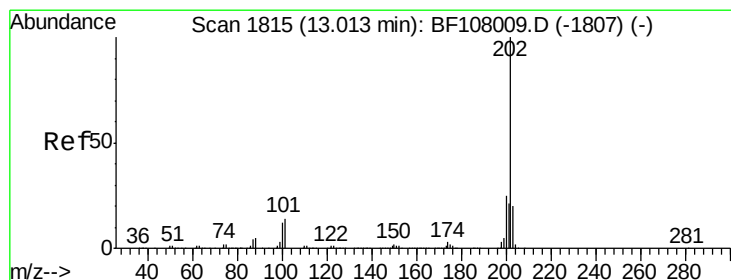
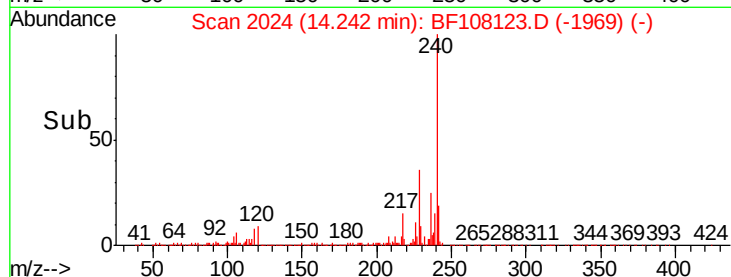
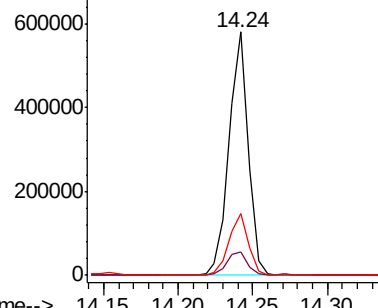
Tgt	Ion:240	Resp:	509121
Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	25.5	20.7	31.1

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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: 90.208 ng

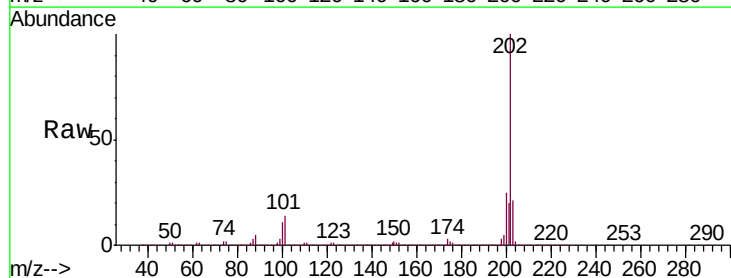
RT: 13.04 min Scan# 1820

Delta R.T. 0.03 min

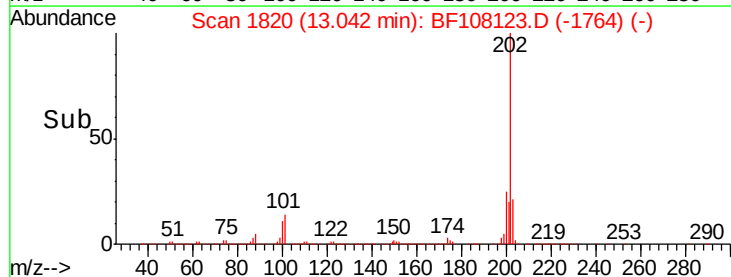
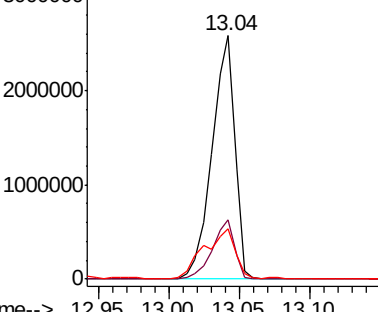
Lab File: BF108123.D

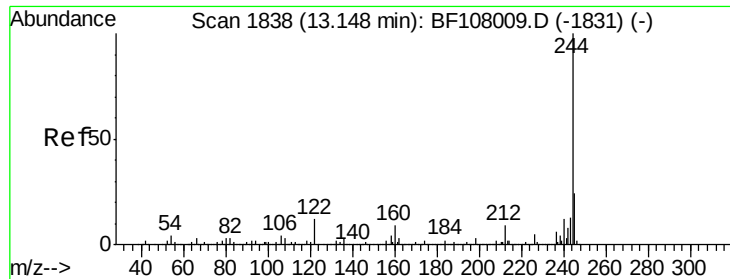
Acq: 13 Aug 2018 18:26

Tgt	Ion:202	Resp:	2907633
Ion	Ratio	Lower	Upper
202	100		
200	24.5	17.4	26.2
203	20.9	14.3	21.5



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: 7.819 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Instrument :

BNA_F

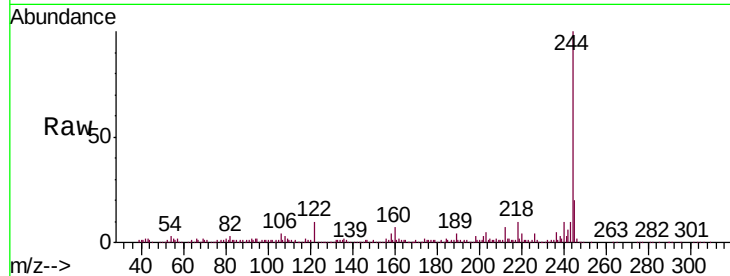
ClientSampleId :

2018-NYSEG-CLARK-AREA-12B

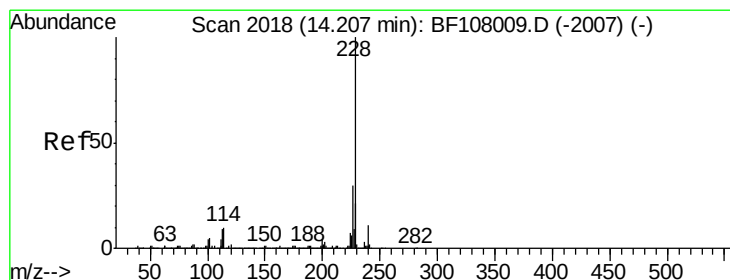
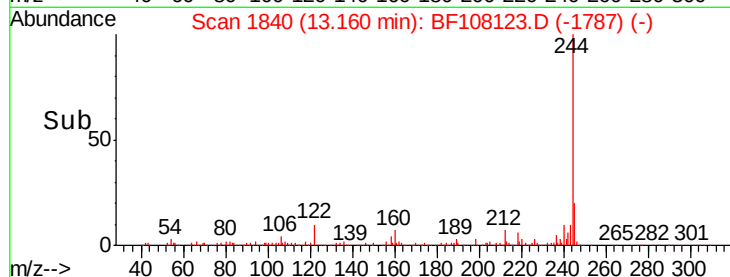
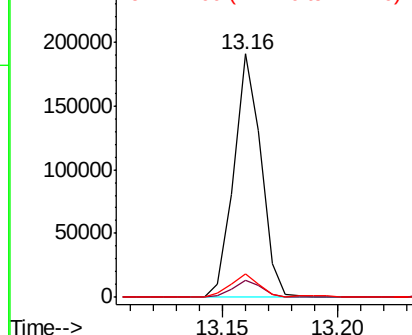
Tgt Ion:	244	Resp:	156565
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	9.8	11.0	16.4

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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: 49.161 ng

RT: 14.23 min Scan# 2022

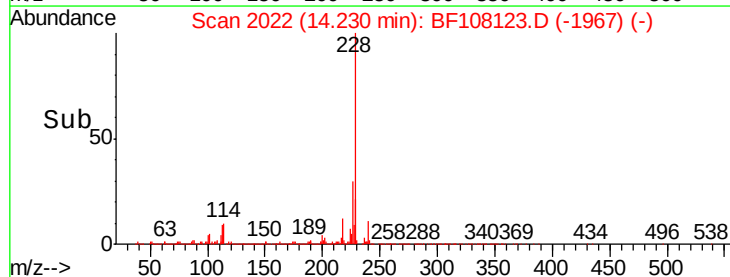
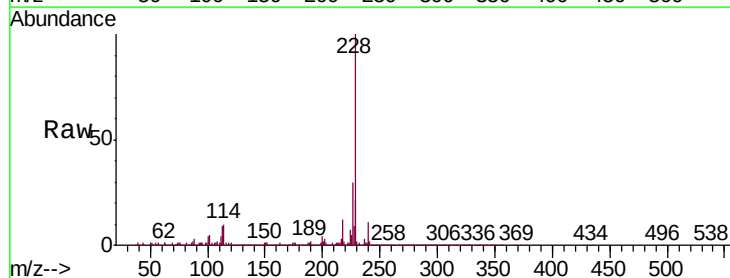
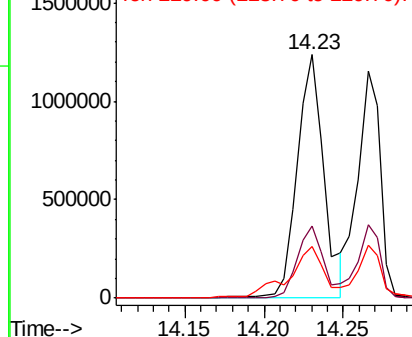
Delta R.T. 0.02 min

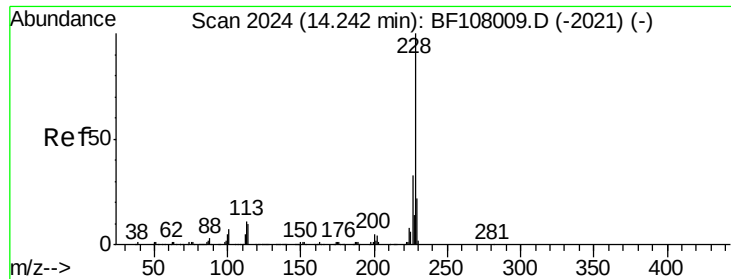
Lab File: BF108123.D

Acq: 13 Aug 2018 18:26

Tgt Ion:	228	Resp:	1436406
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.6	33.8
229	21.4	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





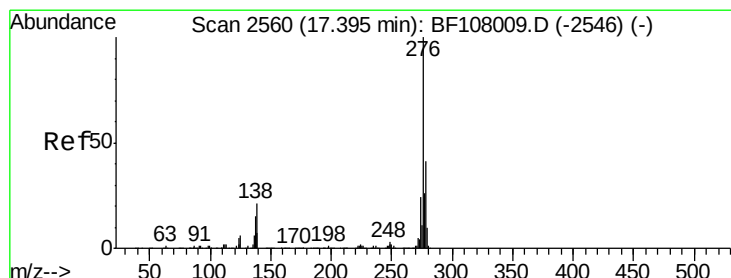
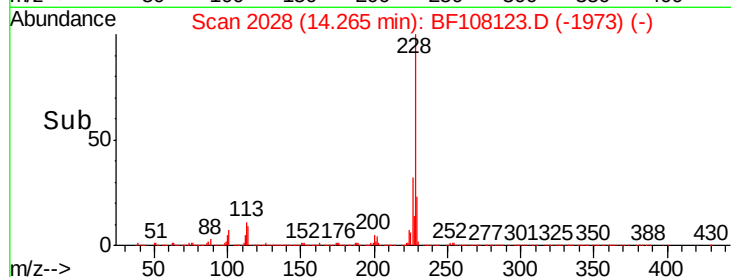
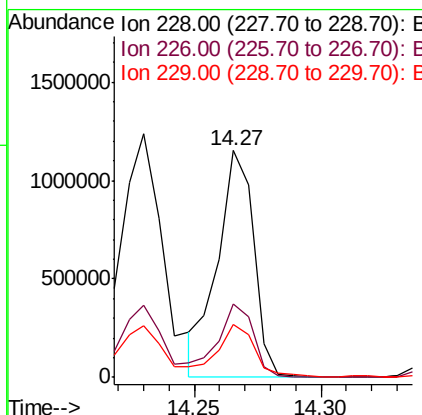
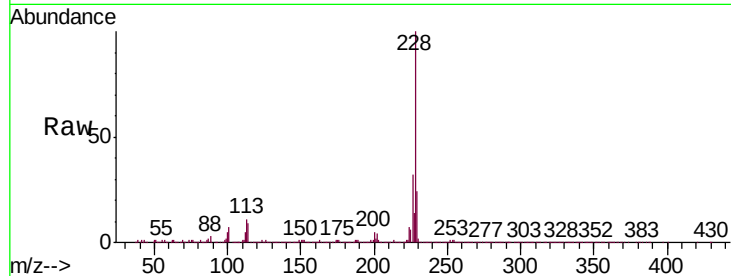
#82
Chrysene
Concen: 42.479 ng
RT: 14.27 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12B

Tgt Ion:228 Resp: 1137901
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.6
229 23.6 16.2 24.4

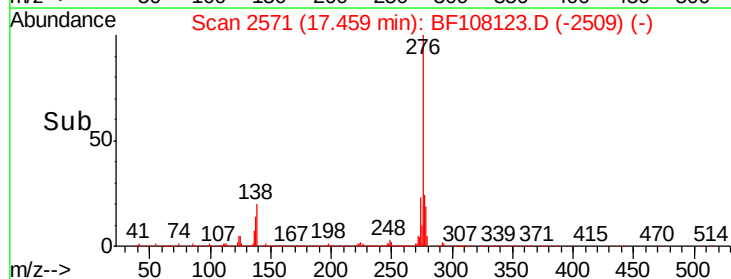
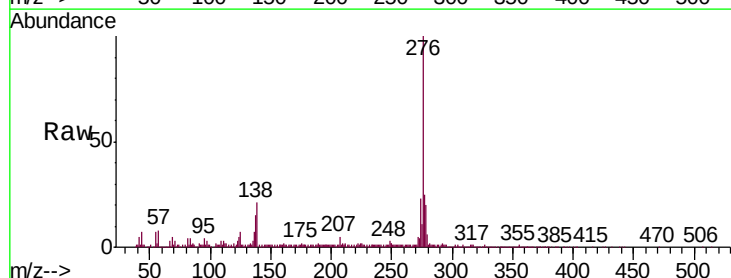
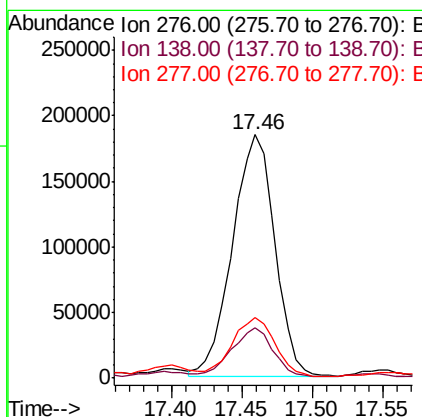
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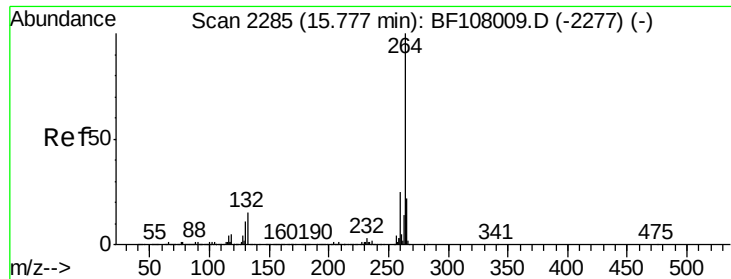
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#85
Indeno(1,2,3-cd)pyrene
Concen: 16.570 ng
RT: 17.46 min Scan# 2571
Delta R.T. 0.06 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Tgt Ion:276 Resp: 384579
Ion Ratio Lower Upper
276 100
138 19.7 25.0 37.6#
277 24.0 20.1 30.1





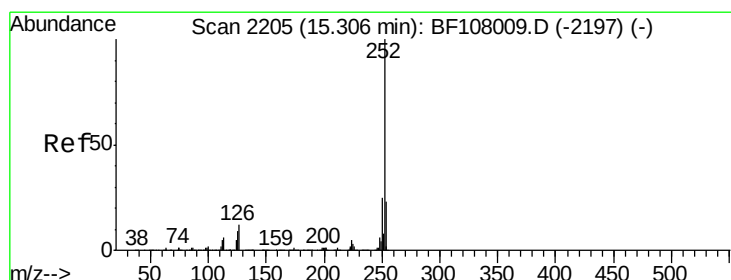
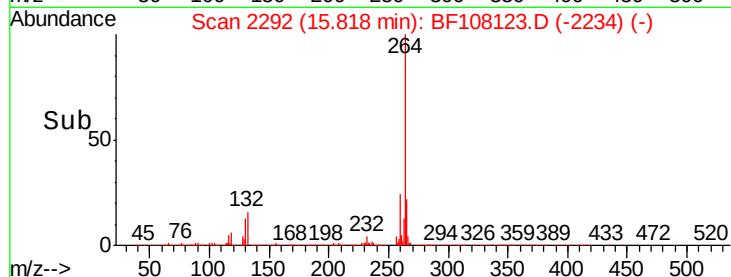
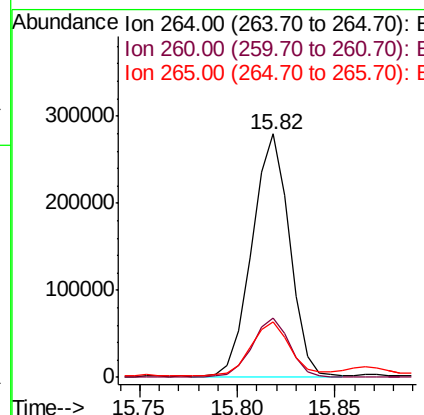
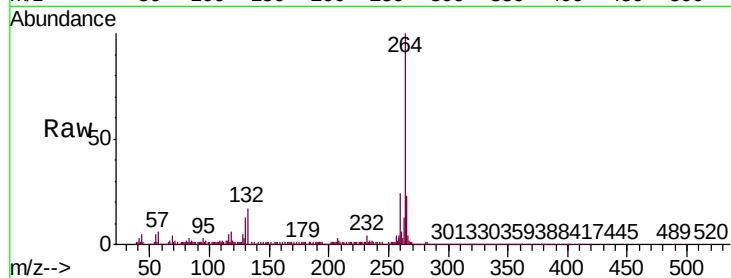
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.82 min Scan# 2292
Delta R.T. 0.04 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.8	17.5	26.3

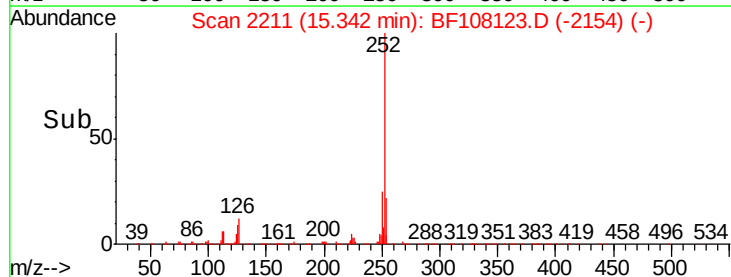
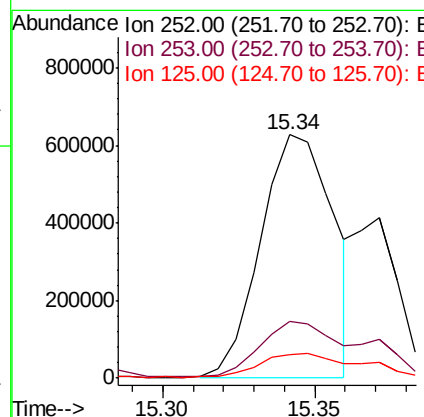
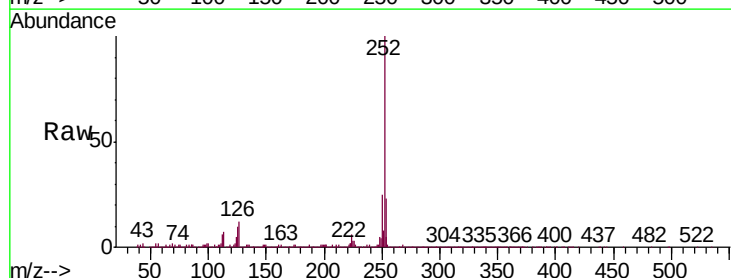
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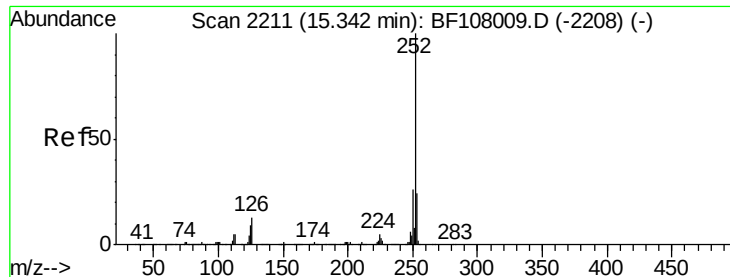
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#87
Benzo(b)fluoranthene
Concen: 47.382 ng m
RT: 15.34 min Scan# 2211
Delta R.T. 0.04 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	9.6	9.0	13.6





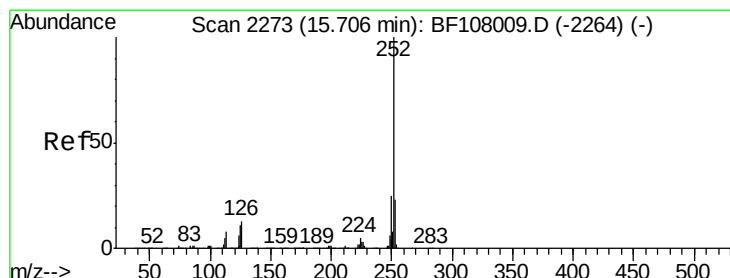
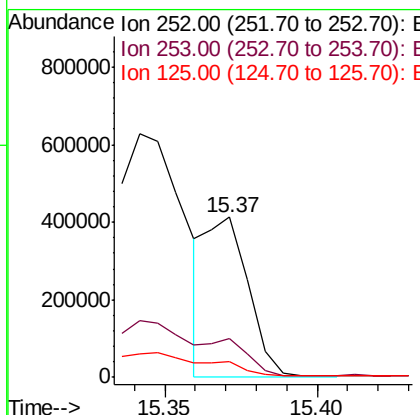
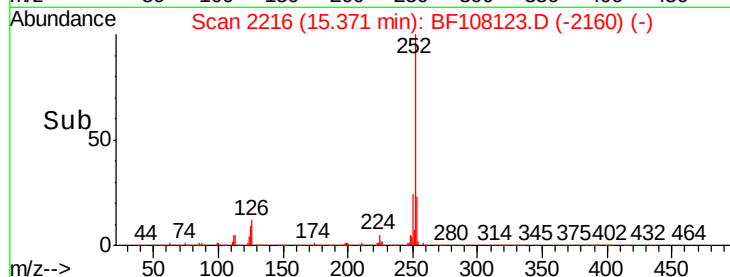
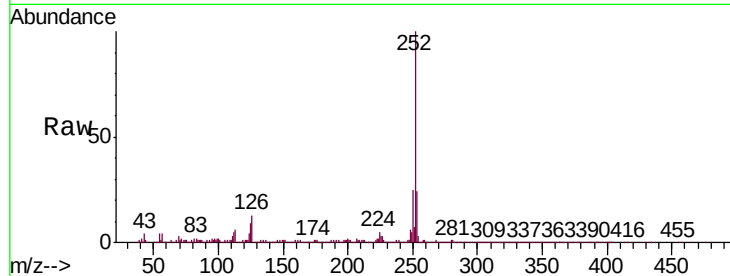
#88
Benzo(k)fluoranthene
Concen: 19.722 ng m
RT: 15.37 min Scan# 2216
Delta R.T. 0.03 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	9.5	10.2	15.2

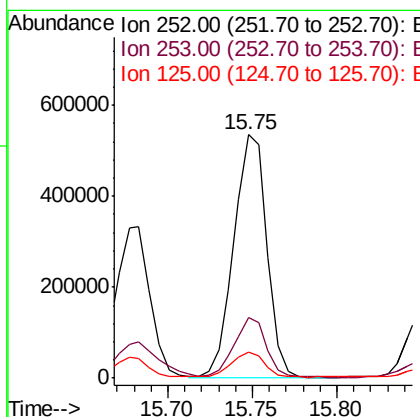
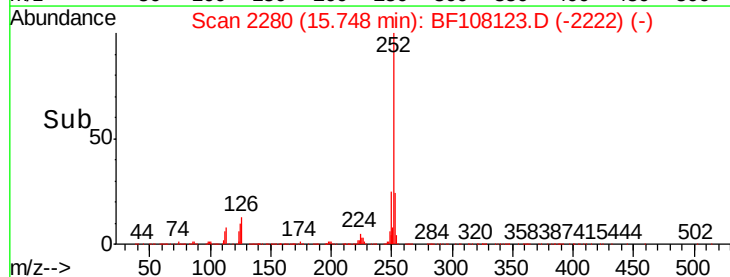
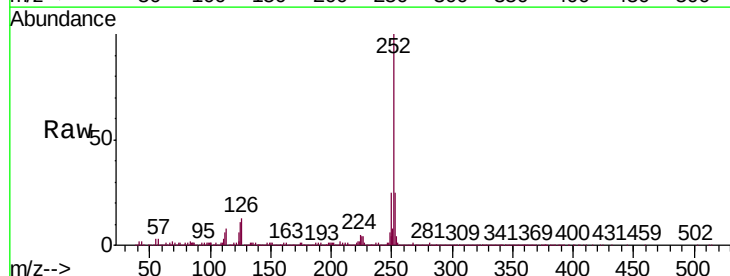
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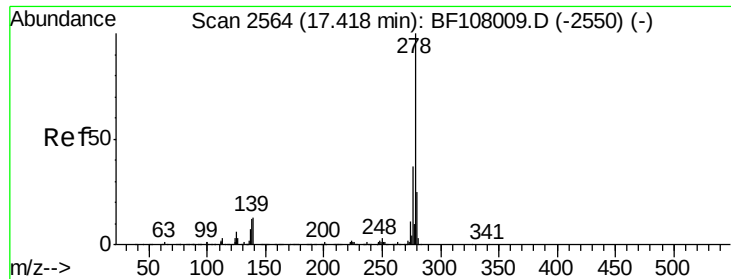
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#89
Benzo(a)pyrene
Concen: 36.690 ng
RT: 15.75 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	10.8	9.8	14.6





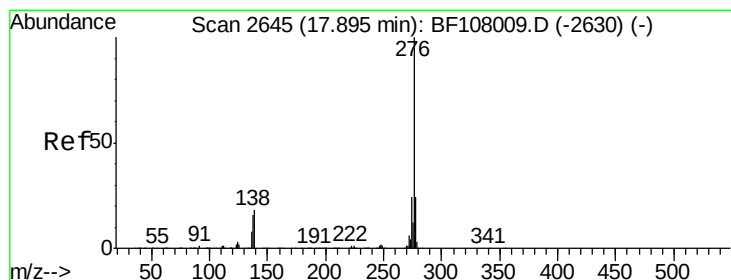
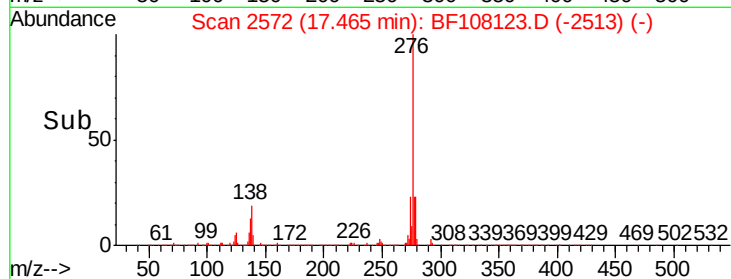
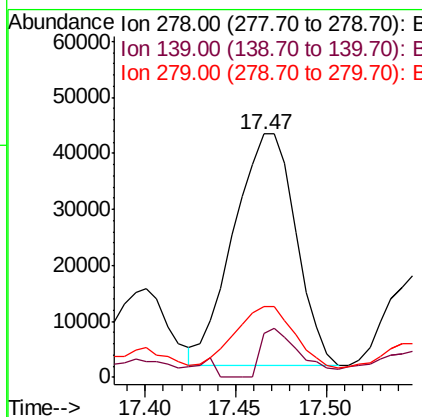
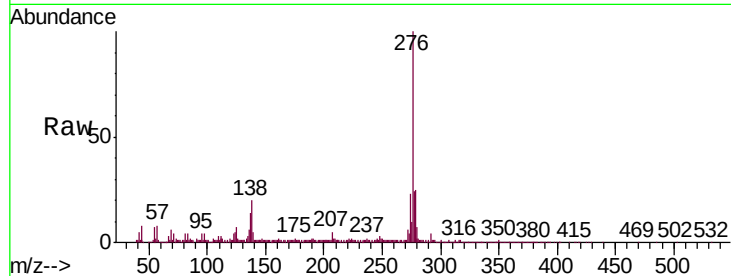
#90
Dibenzo(a,h)anthracene
Concen: 6.030 ng
RT: 17.47 min Scan# 2572
Delta R.T. 0.05 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-12B

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	15.9	23.9
279	28.9	19.0	28.4

Manual Integrations
APPROVED

Sohil
8/14/2018 2:36:47 PM



#91
Benzo(g,h,i)perylene
Concen: 21.865 ng
RT: 17.97 min Scan# 2657
Delta R.T. 0.07 min
Lab File: BF108123.D
Acq: 13 Aug 2018 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	18.8	21.8	32.8

