

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
 Data File : BF108138.D
 Acq On : 14 Aug 2018 12:19
 Operator : JU/SJ
 Sample : J4409-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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 8/15/2018 3:38:22 PM

Quant Time: Aug 14 16:18:54 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	189183	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	669557	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	296937	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	518929	20.00	ng	0.00
75) Chrysene-d12	14.22	240	447560	20.00	ng	0.00
86) Perylene-d12	15.79	264	342609	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1009191	96.58	ng	0.02
7) Phenol-d6	6.64	99	1340122	96.51	ng	0.01
23) Nitrobenzene-d5	7.58	82	862456	71.88	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	289024	97.58	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1330200	71.92	ng	0.00
78) Terphenyl-d14	13.15	244	1244846	70.72	ng	0.00
Target Compounds						
10) Phenol	6.65	94	66464	4.627	ng	77
31) Naphthalene	8.32	128	148697	4.883	ng	98
49) Dimethylphthalate	9.77	163	213078	10.302	ng	99
51) Acenaphthene	10.10	154	197879	11.810	ng	98
57) Fluorene	10.61	166	203681	10.599	ng	98
70) Phenanthrene	11.59	178	935330	38.214	ng	99
71) Anthracene	11.64	178	545530	21.746	ng	99
74) Fluoranthene	12.81	202	1661339	62.193	ng	95
77) Pyrene	13.03	202	1444060	50.963	ng	98
80) Benzo(a)anthracene	14.21	228	717672	27.941	ng	97
82) Chrysene	14.25	228	507915	21.569	ng	97
85) Indeno(1,2,3-cd)pyrene	17.41	276	160339	7.858	ng	# 88
87) Benzo(b)fluoranthene	15.32	252	542093m	26.479	ng	
88) Benzo(k)fluoranthene	15.34	252	186953m	9.934	ng	
89) Benzo(a)pyrene	15.72	252	389486	21.246	ng	97
90) Dibenzo(a,h)anthracene	17.41	278	41163m	2.714	ng	
91) Benzo(a,h,i)perylene	17.90	276	128921	8.632	ng	# 92

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

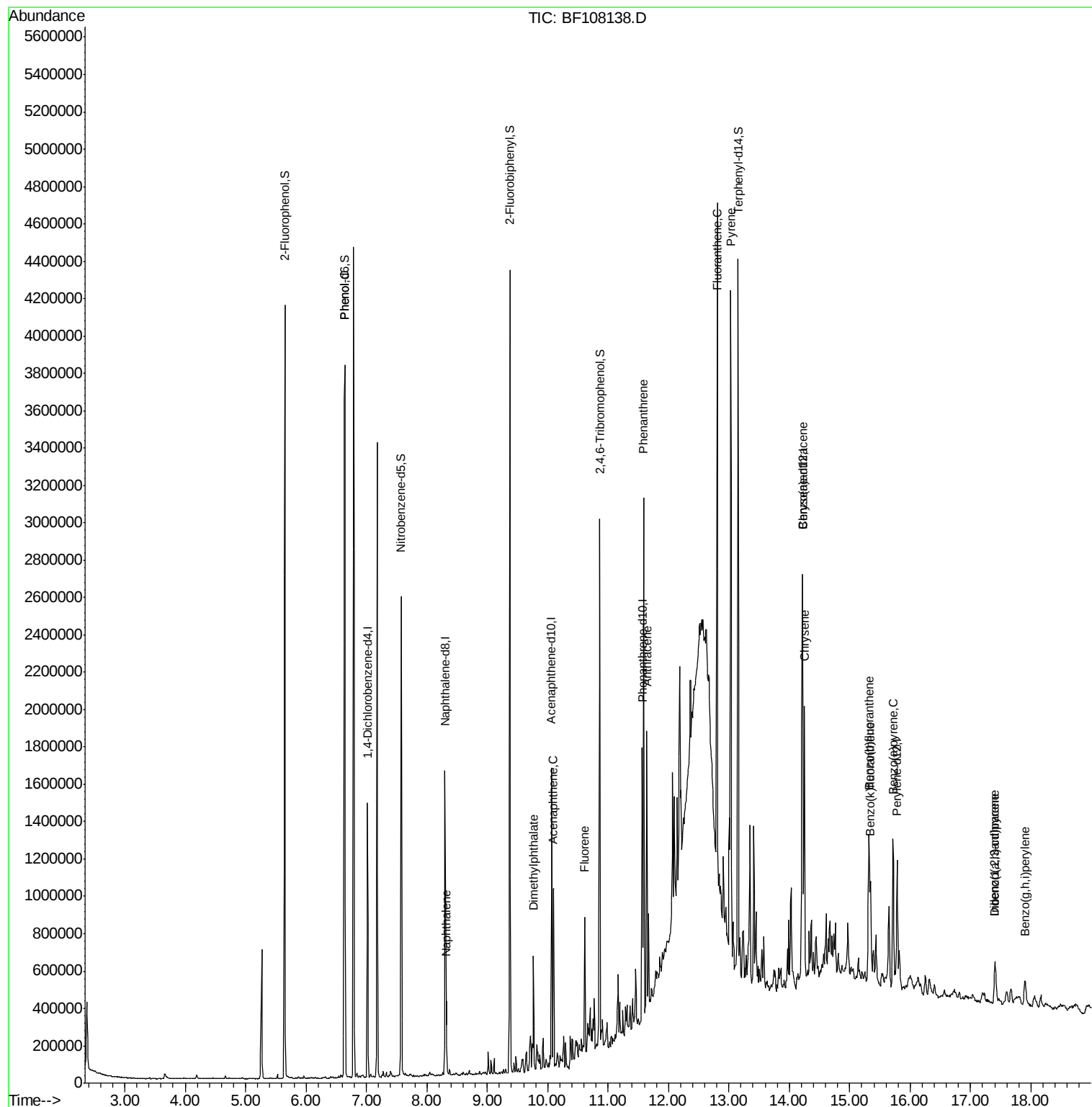
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
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#1

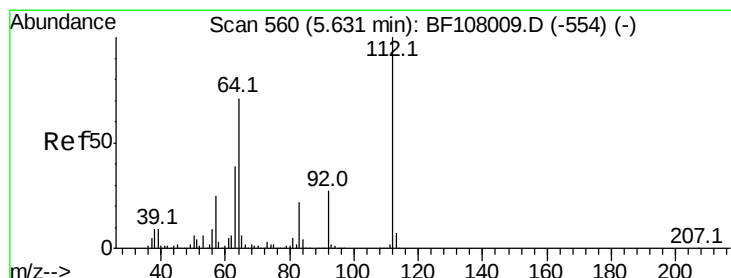
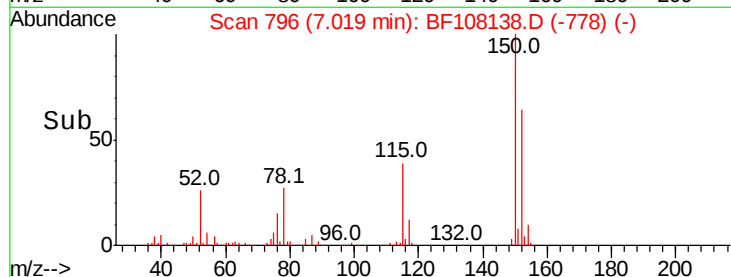
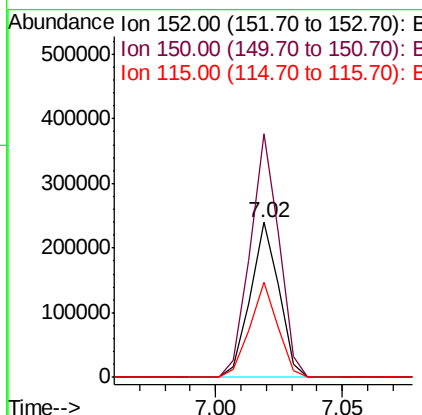
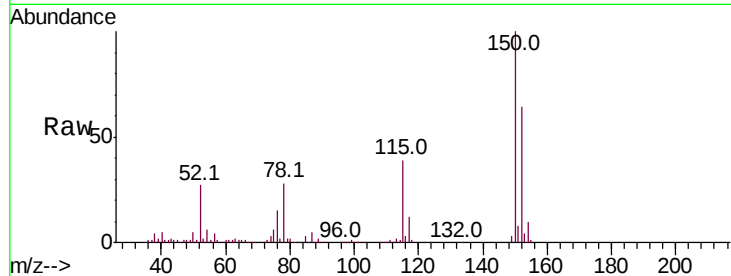
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	61.3	50.1	75.1

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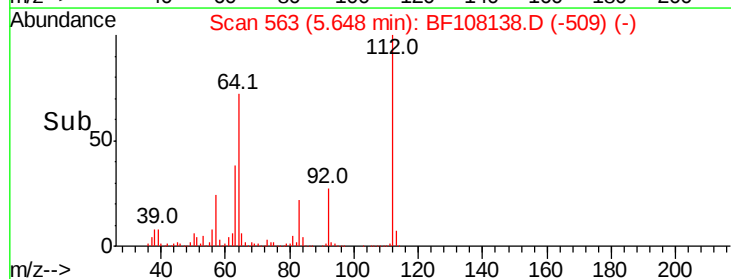
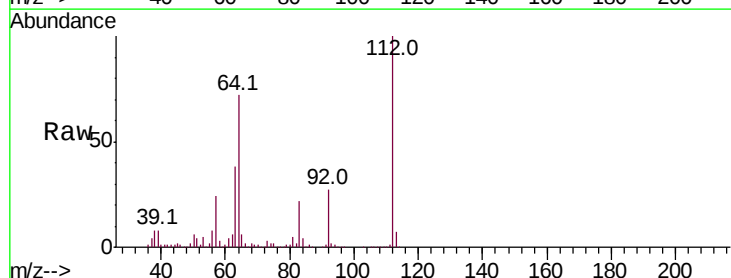
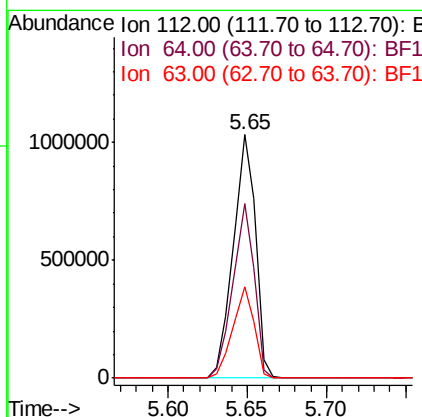
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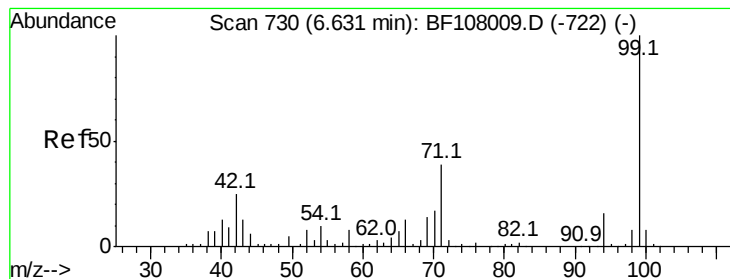


#5

2-Fluorophenol
Concen: 96.578 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	47.9	71.9
63	37.7	23.7	35.5





#7

Phenol-d6

Concen: 96.509 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tot Ion: 99 Resp: 1340122

Ion Ratio Lower Upper

99 100

42 21.9 14.5 21.7#

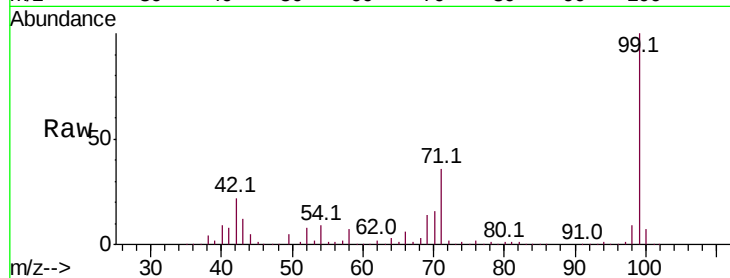
71 35.7 25.4 38.0

Manual Integrations

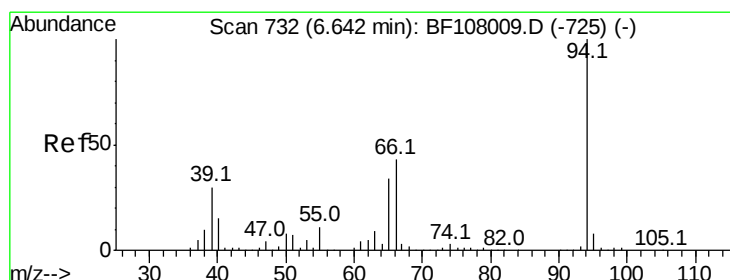
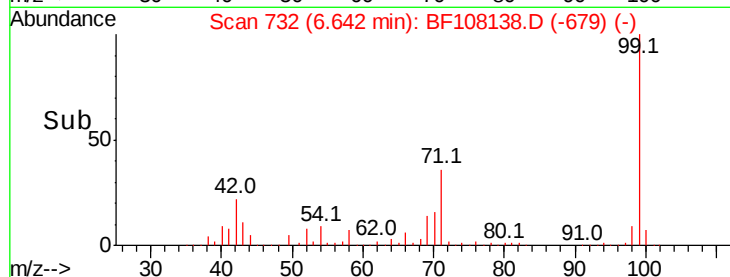
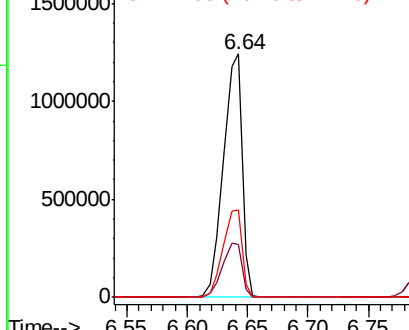
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.627 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

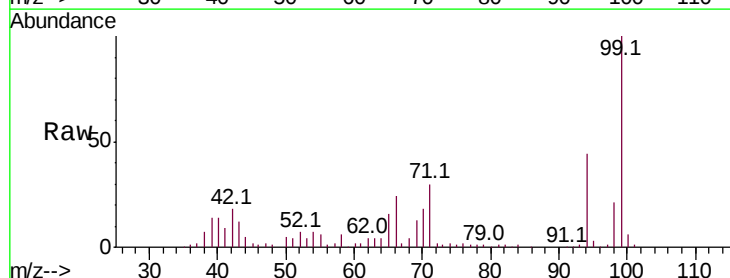
Tgt Ion: 94 Resp: 66464

Ion Ratio Lower Upper

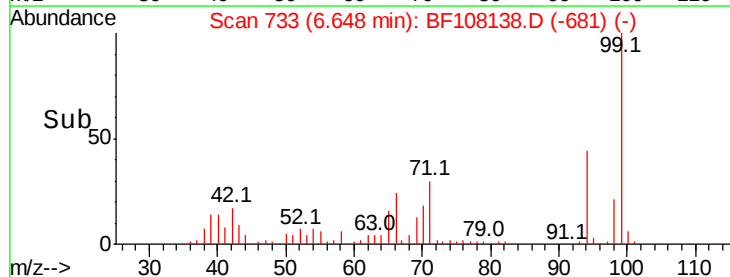
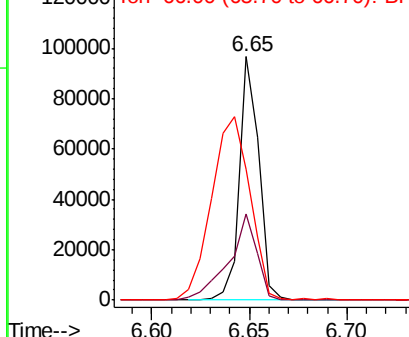
94 100

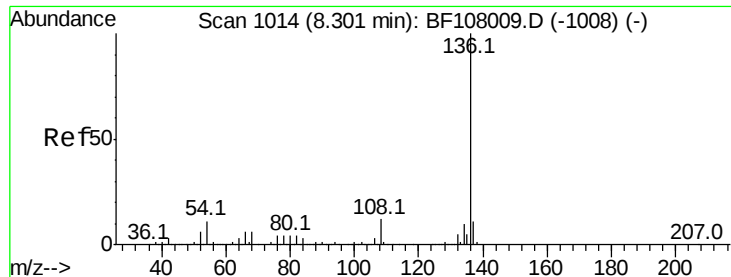
65 35.3 7.9 47.9

66 53.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





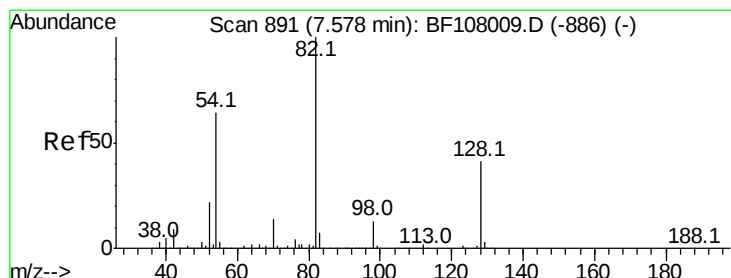
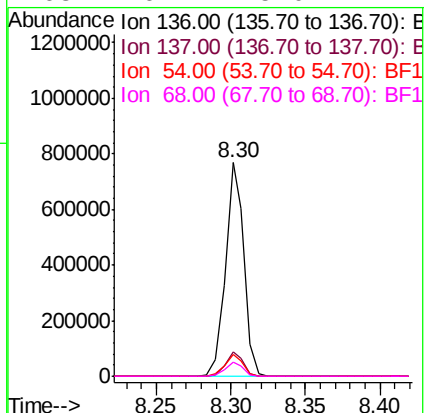
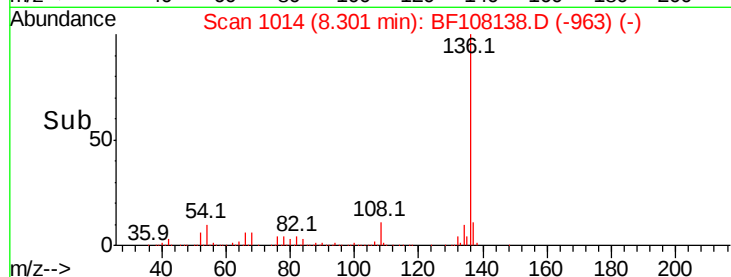
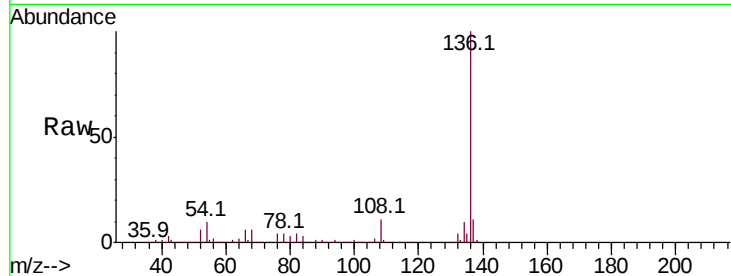
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

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

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.5	6.6	9.8
68	6.4	5.0	7.4

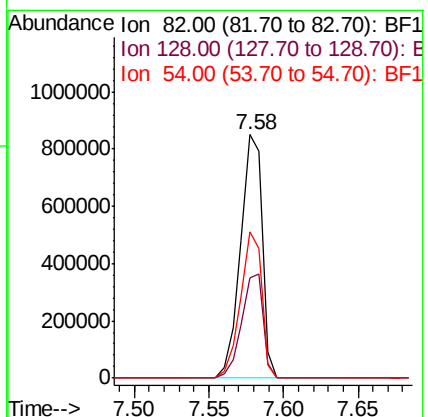
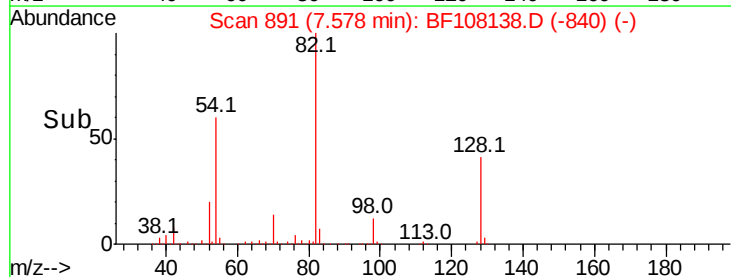
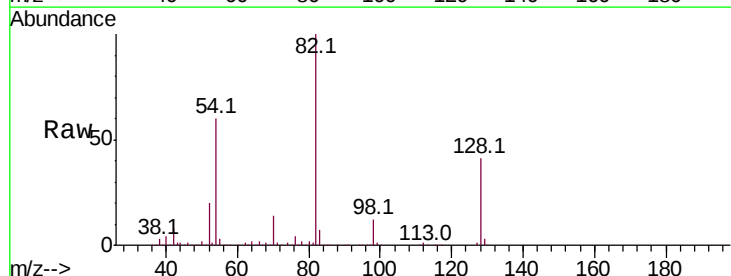
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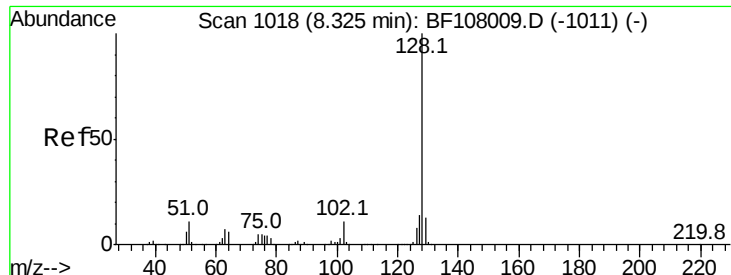
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#23
Nitrobenzene-d5
Concen: 71.878 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.0	36.1	54.1
54	60.1	41.4	62.2





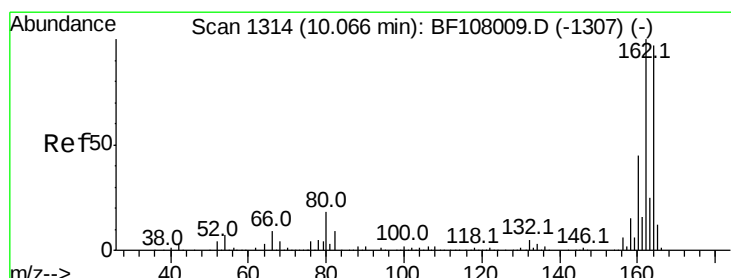
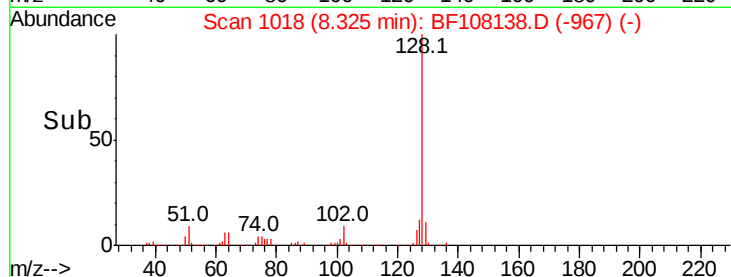
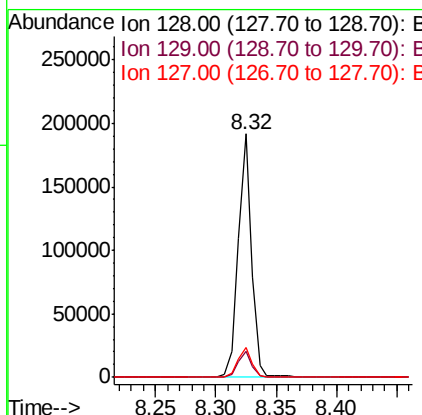
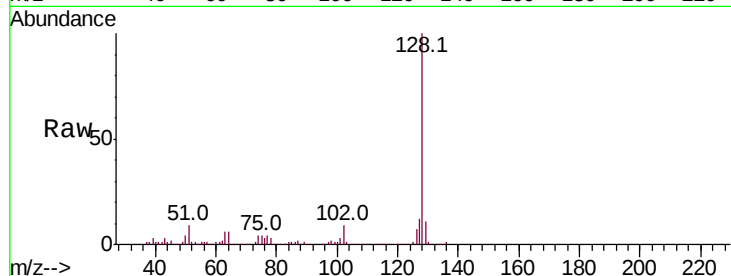
#31
Naphthalene
Concen: 4.883 ng
RT: 8.32 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148697		
129	10.7		8.8	13.2
127	12.3		10.9	16.3

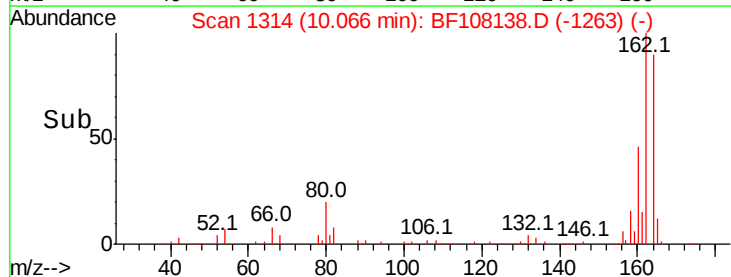
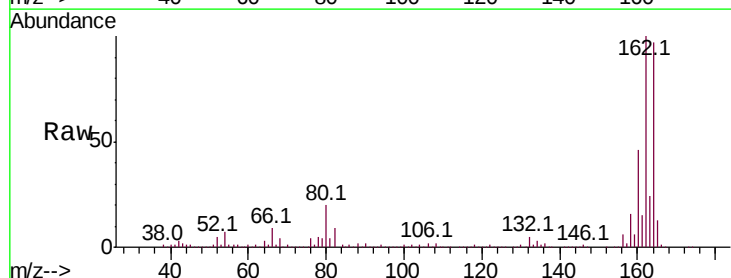
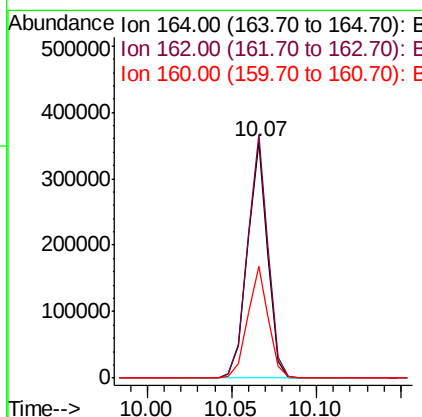
Manual Integrations
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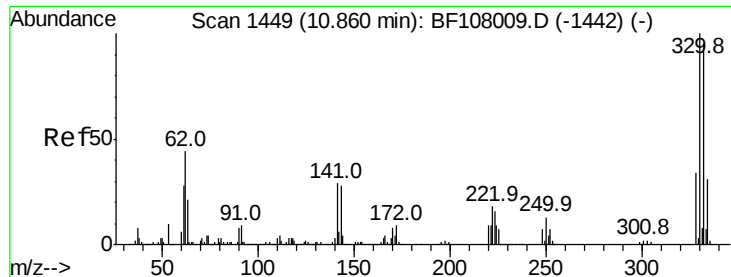
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	296937		
162	103.0		86.1	129.1
160	47.3		38.3	57.5





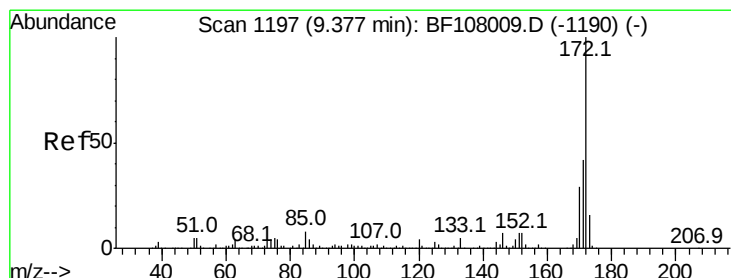
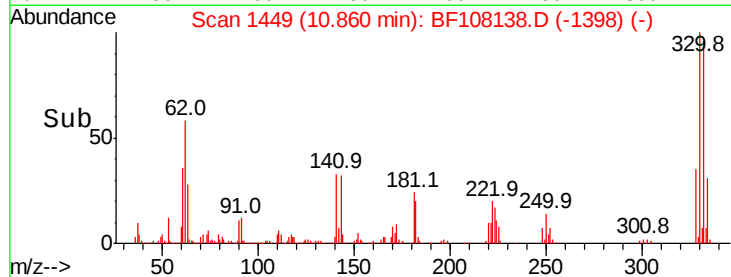
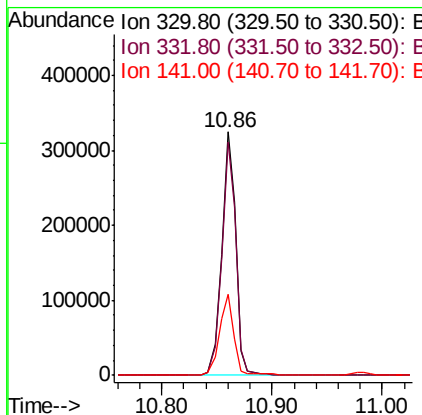
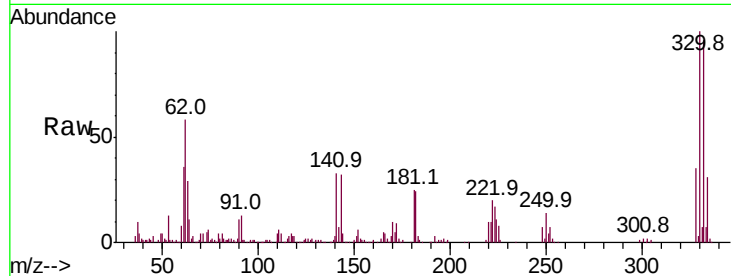
#41
 2,4,6-Tribromophenol
 Concen: 97.582 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108138.D
 Acq: 14 Aug 2018 12:19

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	289024		
332	96.4	77.0	115.6	
141	33.8	29.9	44.9	

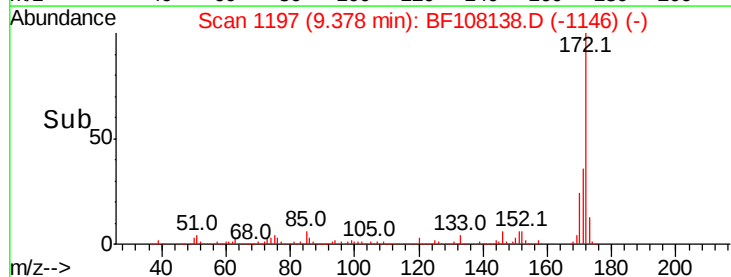
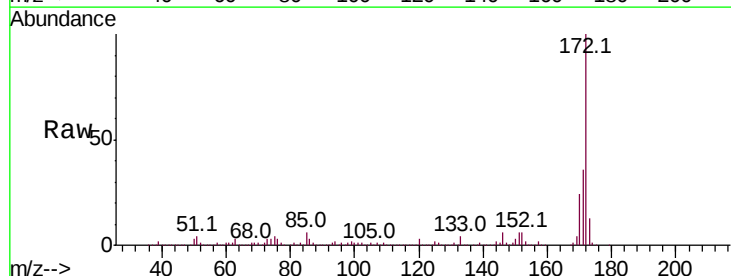
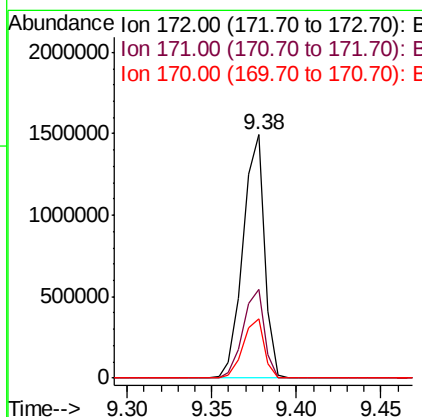
Manual Integrations
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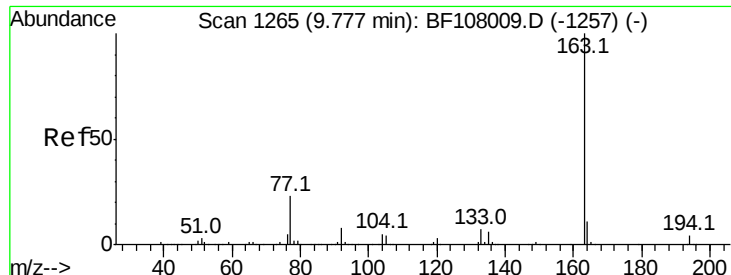
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#44
 2-Fluorobiphenyl
 Concen: 71.921 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108138.D
 Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1330200		
171	36.4	29.7	44.5	
170	24.5	19.6	29.4	





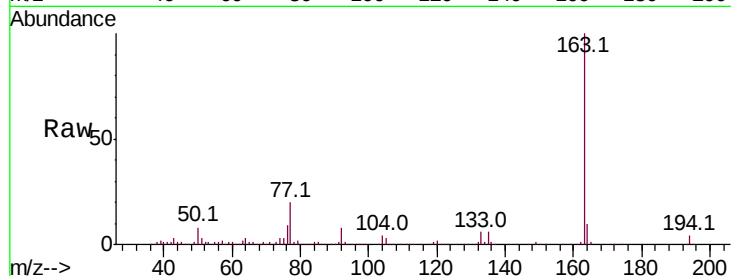
#49
Dimethylphthalate
Concen: 10.302 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

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

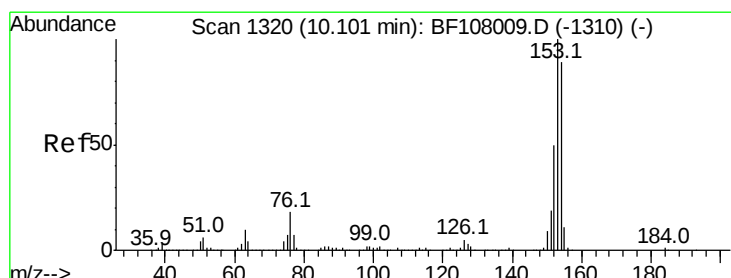
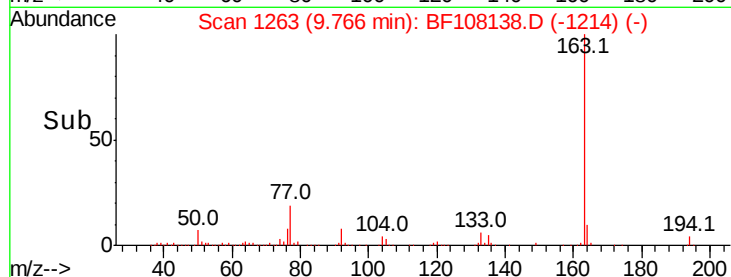
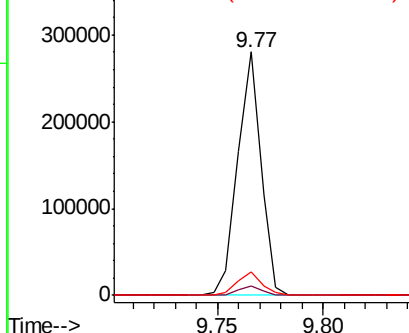
Tot Ion	Ratio	Resp	Lower	Upper
163	100	213078		
194	3.9		2.7	4.1
164	9.8		8.2	12.2

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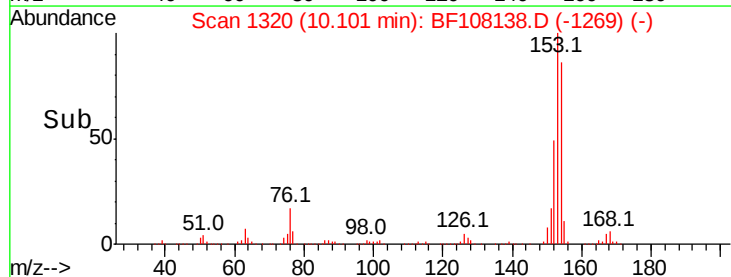
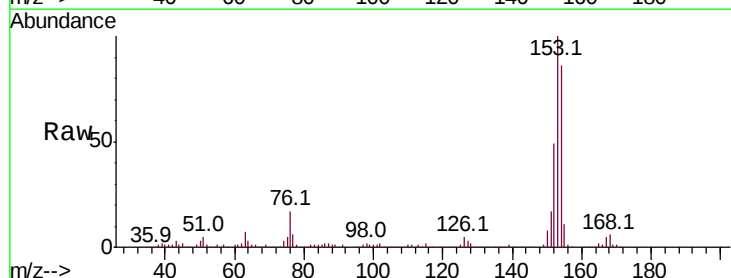
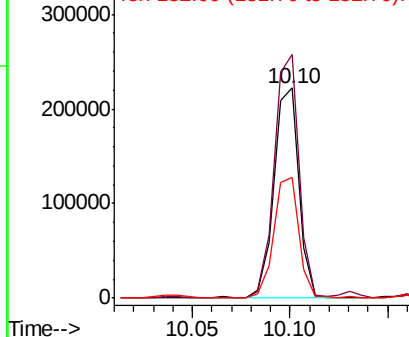
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

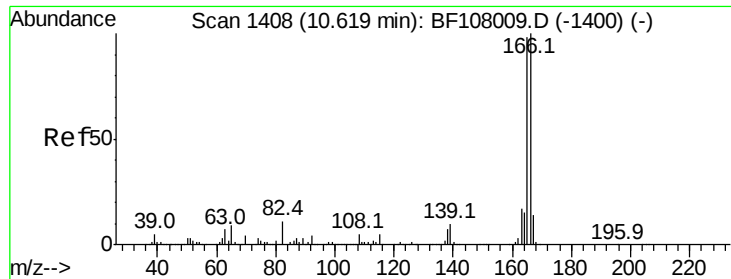


#51
Acenaphthene
Concen: 11.810 ng
RT: 10.10 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	197879		
153	115.9		91.2	136.8
152	57.2		43.8	65.8

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





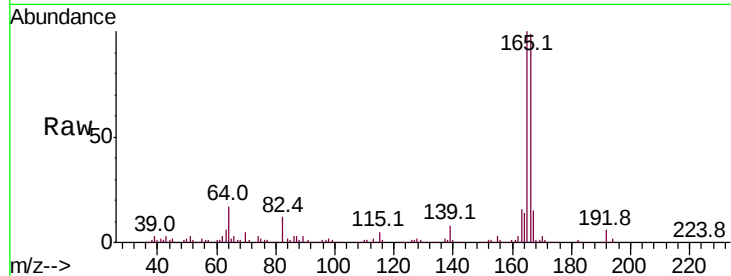
#57
Fluorene
 Concen: 10.599 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108138.D
 Acq: 14 Aug 2018 12:19

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.2	79.8	119.8		
167	14.7	10.6	16.0		

Manual Integrations
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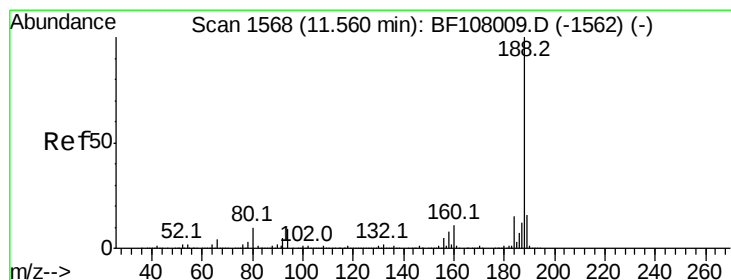
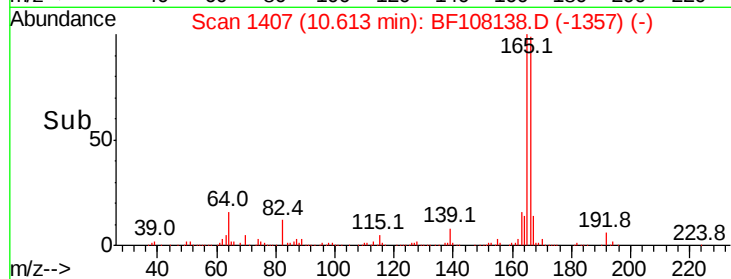
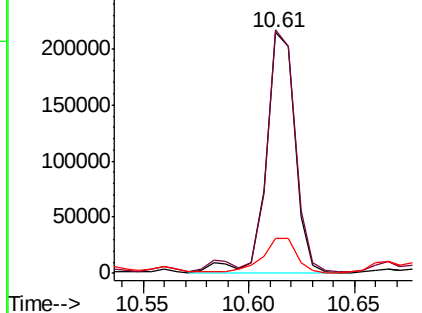


Abundance

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: 11.57 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF108138.D
 Acq: 14 Aug 2018 12:19

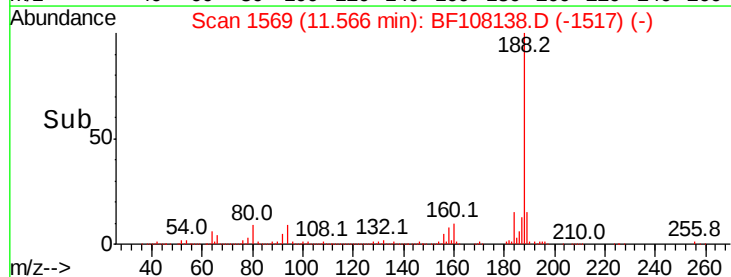
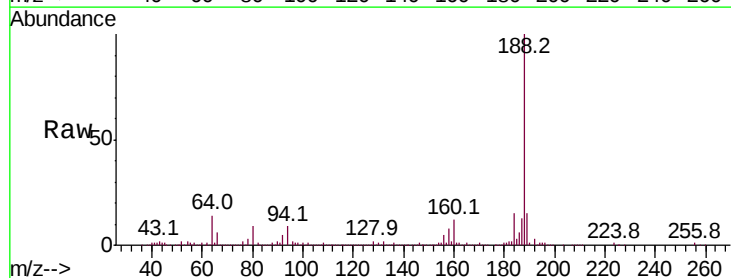
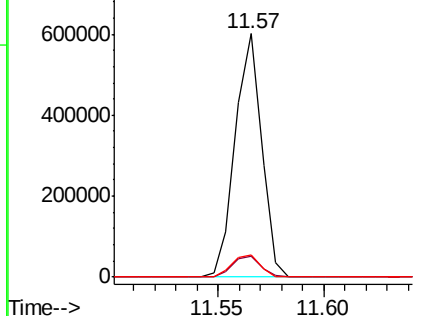
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.6	8.5	12.7		
80	9.2	9.2	13.8		

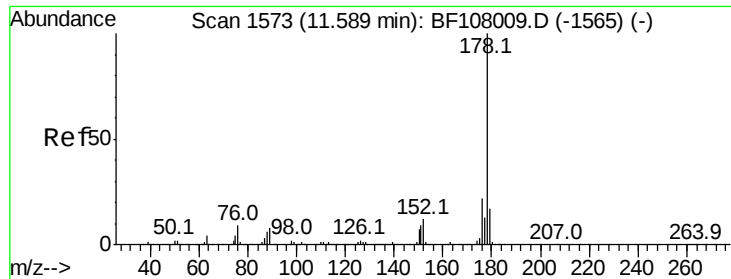
Abundance

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: 38.214 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Instrument :

BNA_F

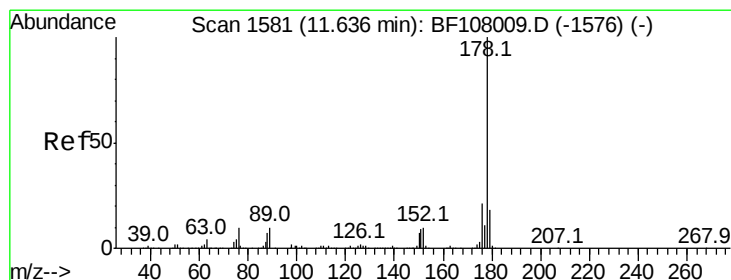
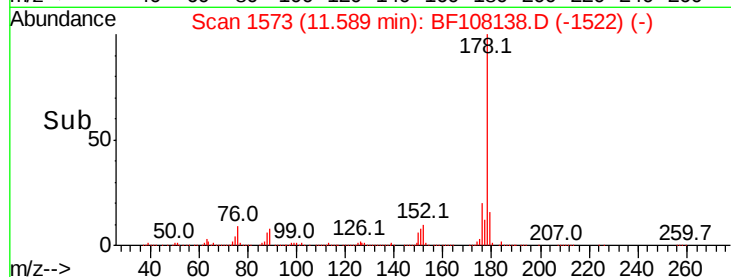
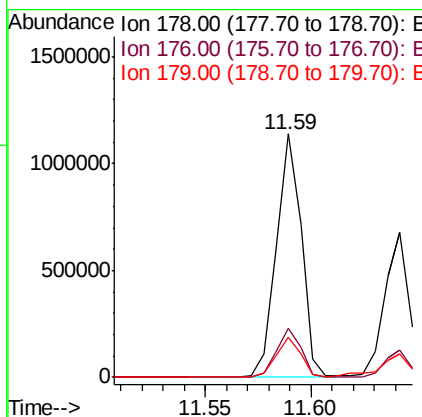
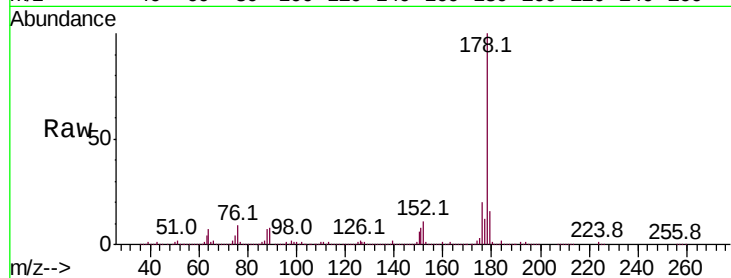
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tot Ion:	178	Resp:	935330
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.8
179	16.3	13.0	19.6

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#71

Anthracene

Concen: 21.746 ng

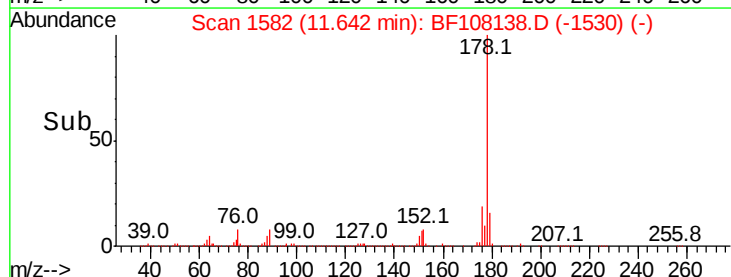
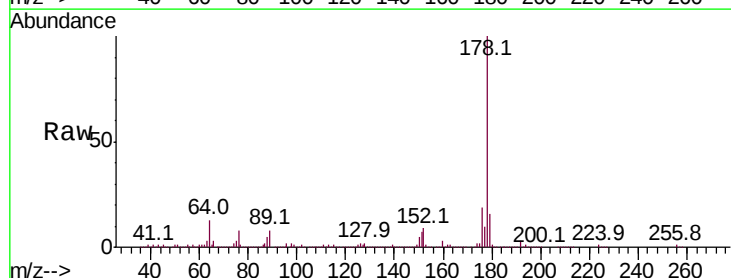
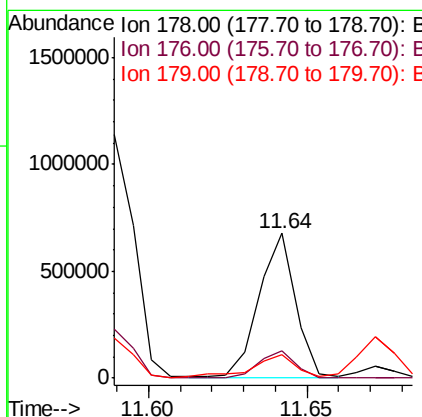
RT: 11.64 min Scan# 1582

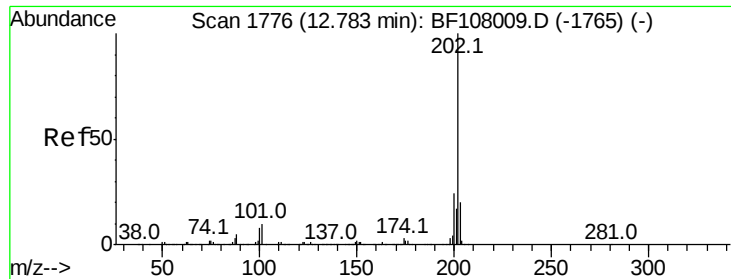
Delta R.T. 0.01 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Tgt Ion:	178	Resp:	545530
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.2
179	15.9	12.6	19.0





#74

Fluoranthene

Concen: 62.193 ng

RT: 12.81 min Scan# 1780

Delta R.T. 0.02 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Instrument :

BNA_F

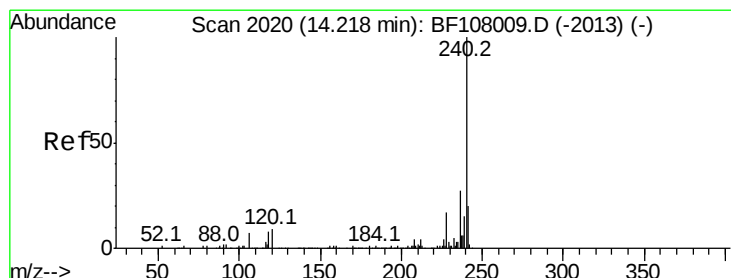
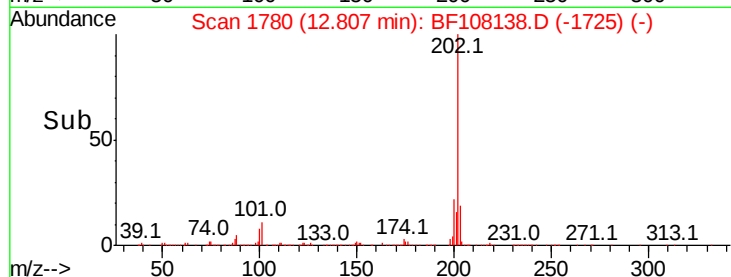
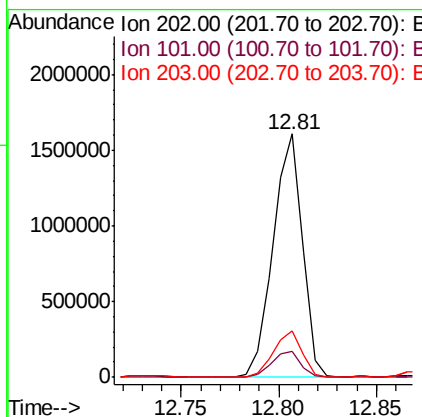
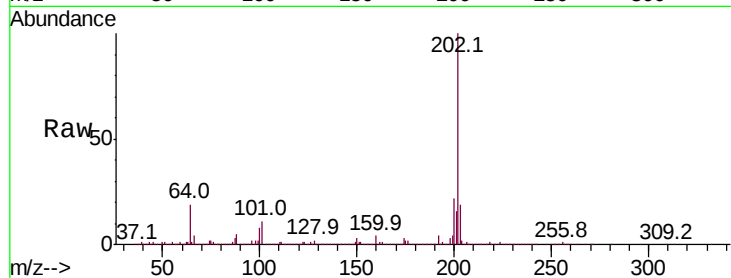
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1661339		
101	10.6	0.0	34.1	
203	18.9	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

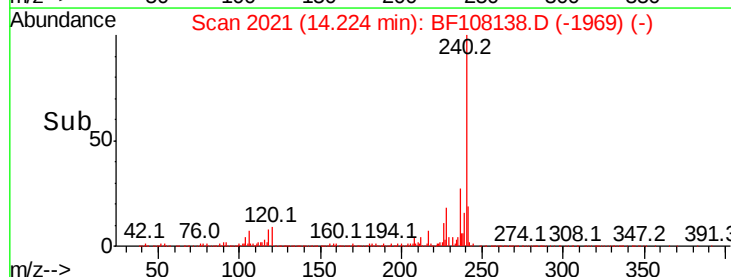
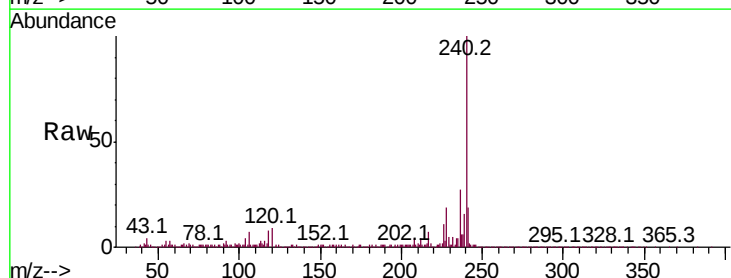
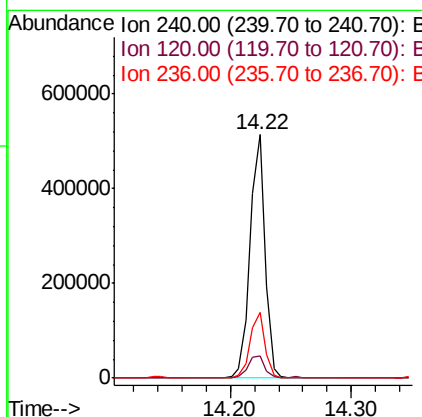
RT: 14.22 min Scan# 2021

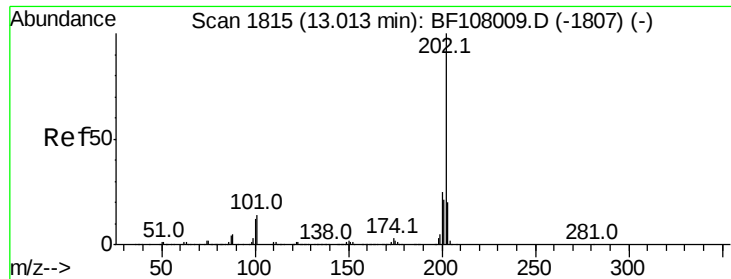
Delta R.T. 0.01 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	447560		
120	9.4	9.5	14.3#	
236	26.9	20.7	31.1	





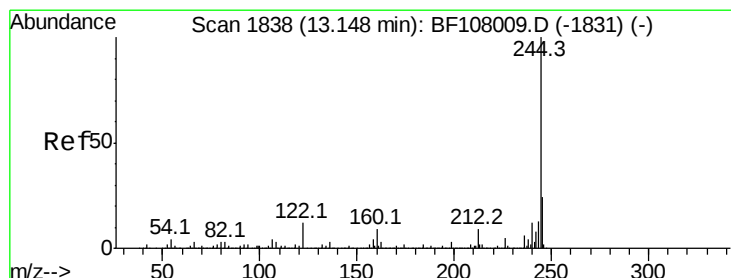
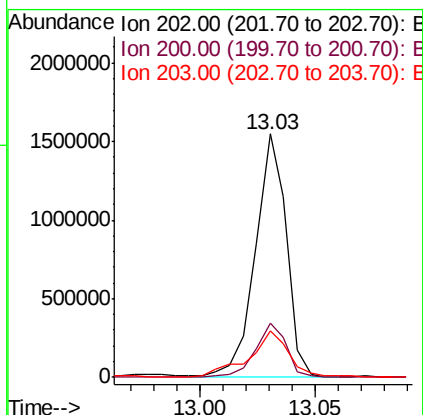
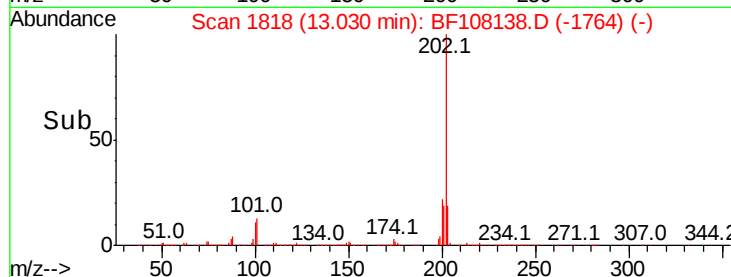
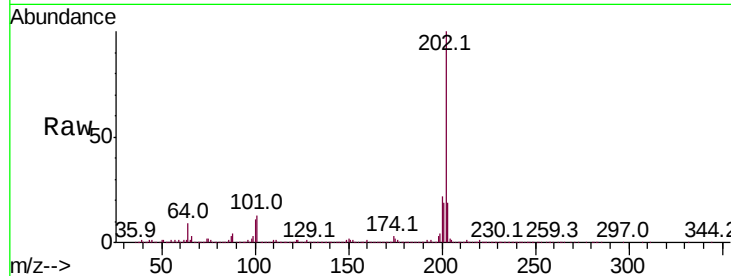
#77
Pvrene
Concen: 50.963 ng
RT: 13.03 min Scan# 1818
Delta R.T. 0.02 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

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

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

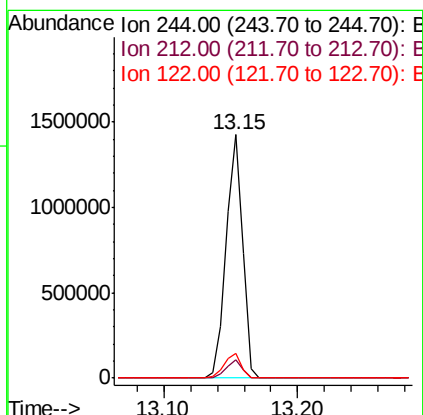
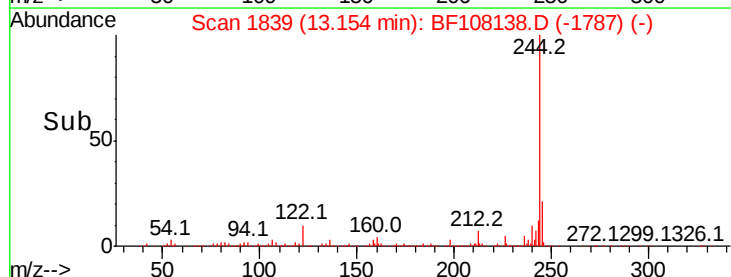
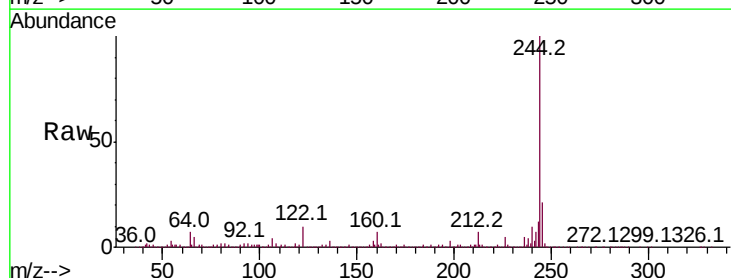
Manual Integrations
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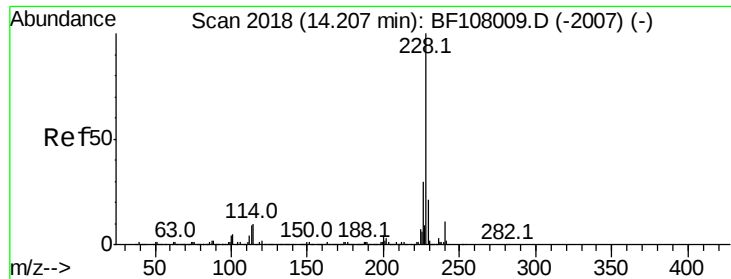
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#78
Terphenyl-d14
Concen: 70.719 ng
RT: 13.15 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.0	11.0	16.4





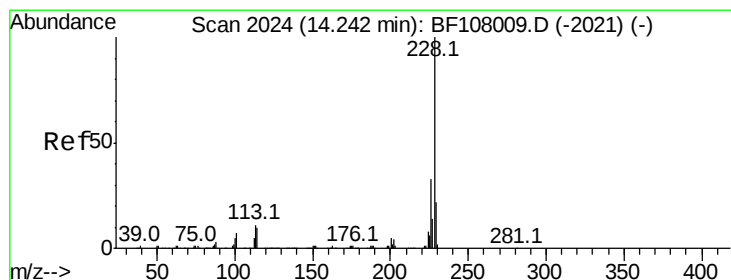
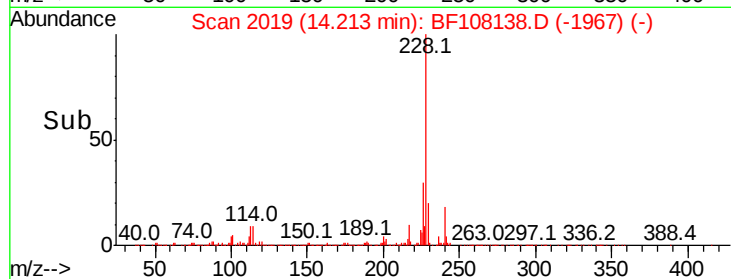
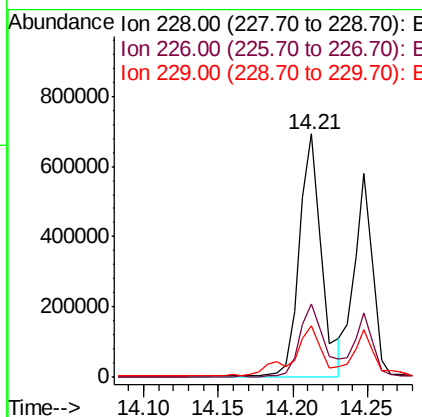
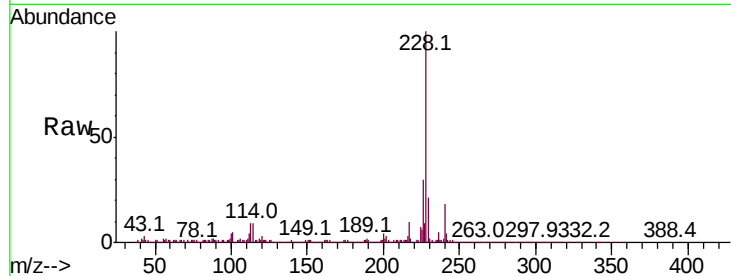
#80
Benzo(a)anthracene
Concen: 27.941 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.0	15.8	23.6

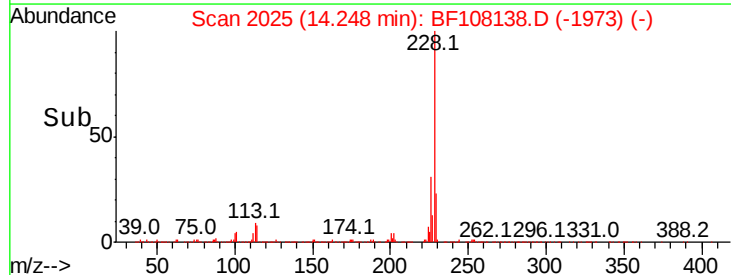
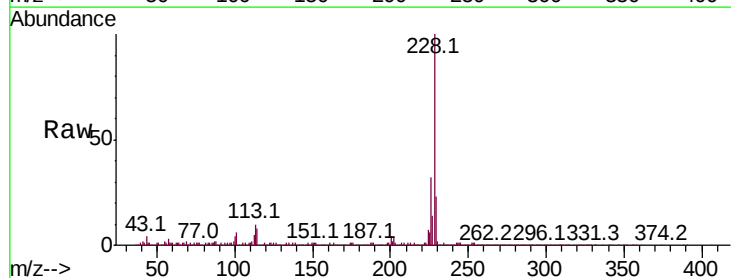
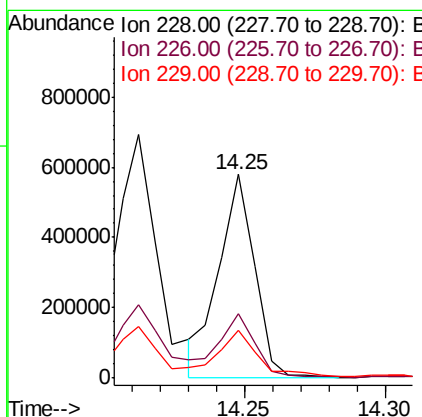
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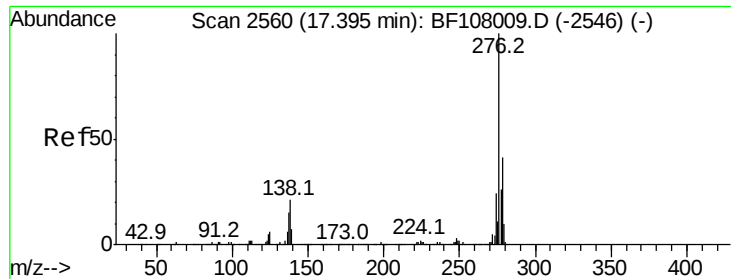
Sohil
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#82
Chrysene
Concen: 21.569 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	23.5	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.858 ng

RT: 17.41 min Scan# 2562

Delta R.T. 0.01 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Instrument :

BNA_F

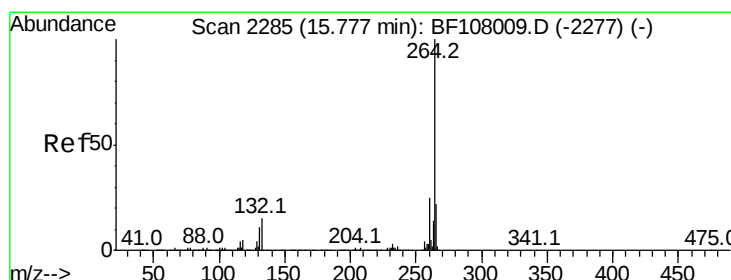
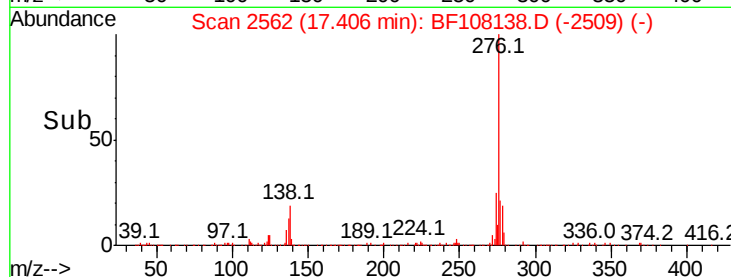
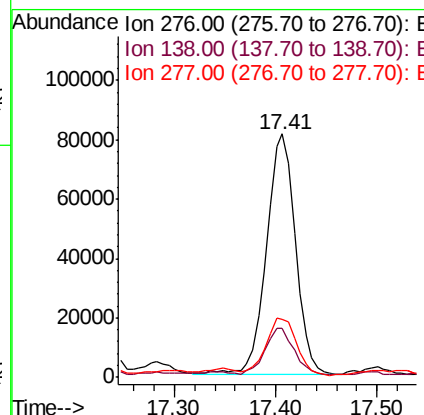
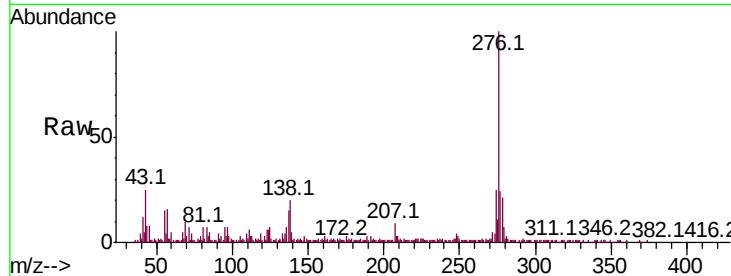
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tot Ion:	276	Resp:	160339
Ion Ratio	Lower	Upper	
276	100		
138	19.9	25.0	37.6#
277	24.9	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

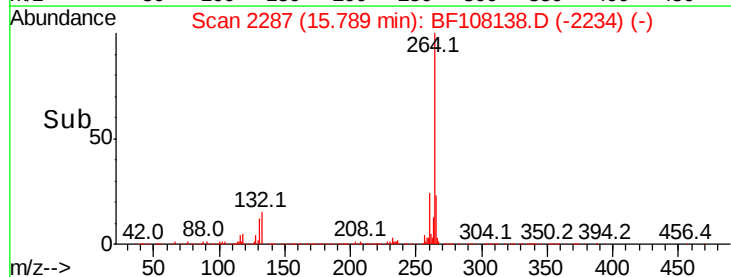
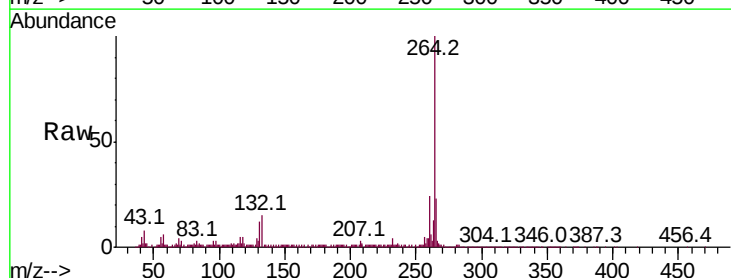
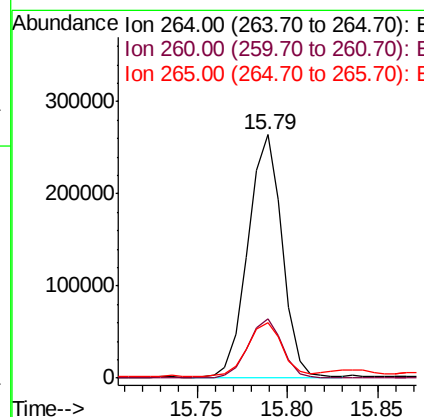
RT: 15.79 min Scan# 2287

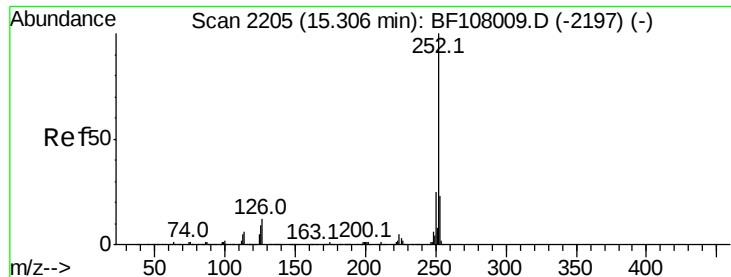
Delta R.T. 0.01 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Tgt Ion:	264	Resp:	342609
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	23.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 26.479 ng m

RT: 15.32 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Instrument :

BNA_F

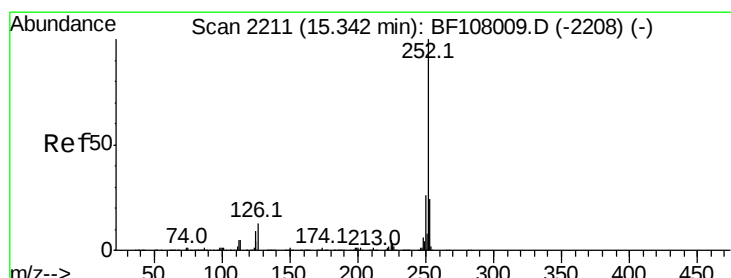
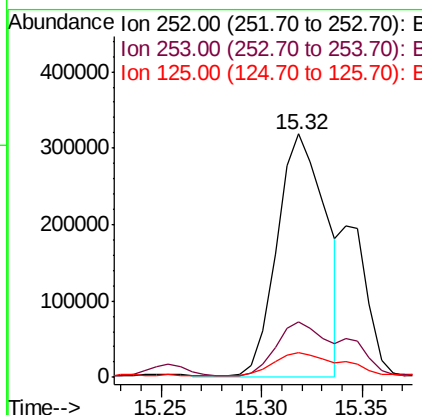
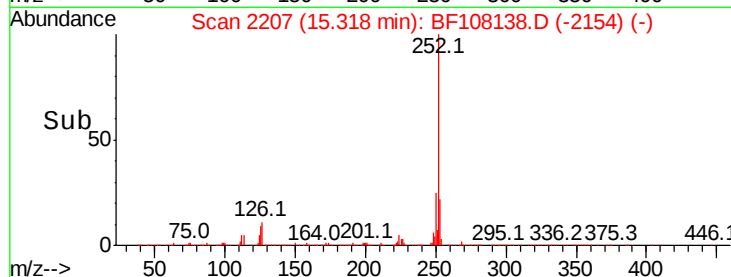
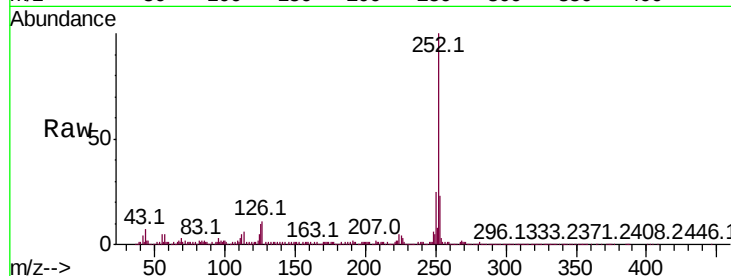
ClientSampleId :

2018-NYSEG-CLARK-AREA-12C

Tot Ion:	252	Resp:	542093
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	10.3	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 9.934 ng m

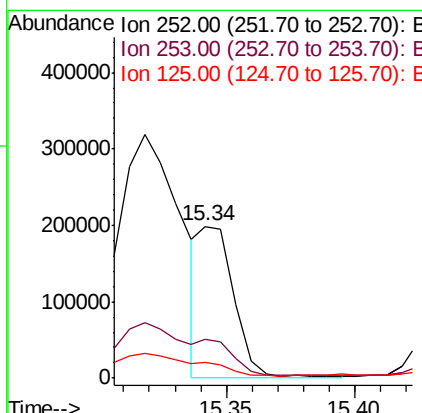
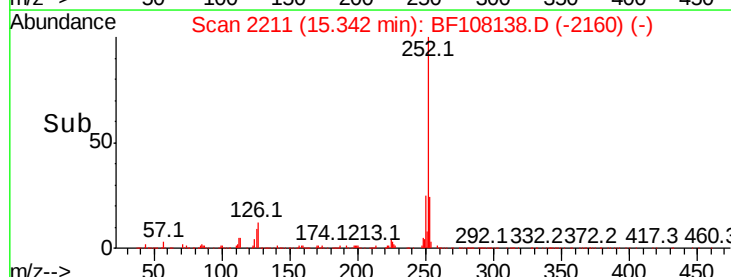
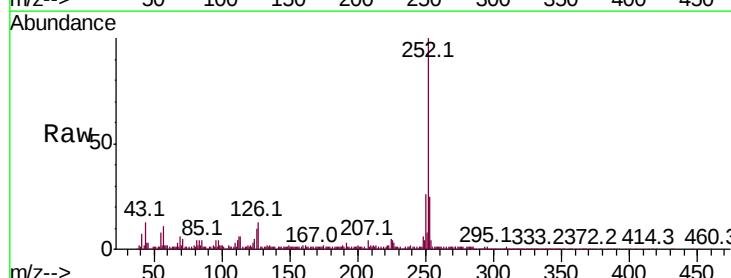
RT: 15.34 min Scan# 2211

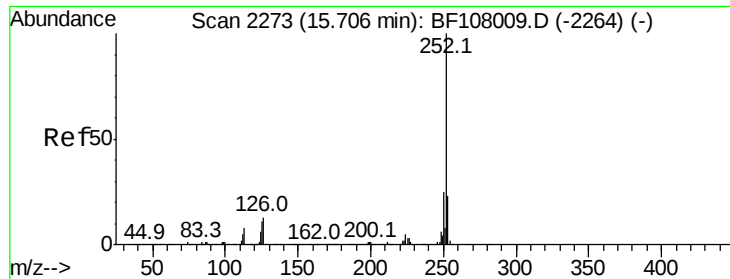
Delta R.T. 0.00 min

Lab File: BF108138.D

Acq: 14 Aug 2018 12:19

Tgt Ion:	252	Resp:	186953
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.9	26.9
125	10.5	10.2	15.2





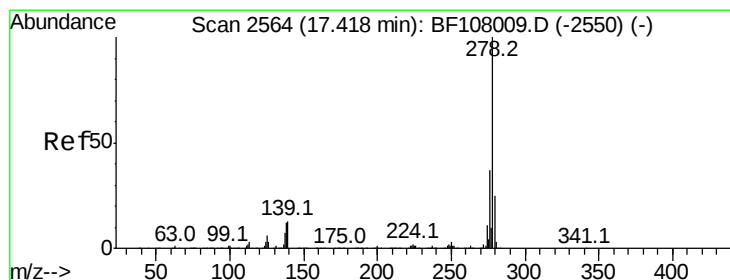
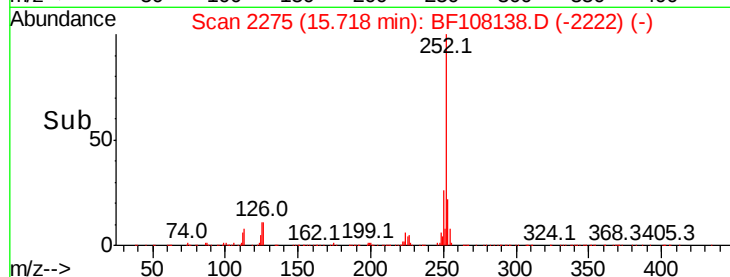
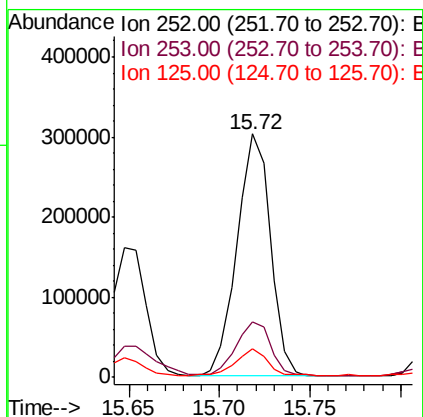
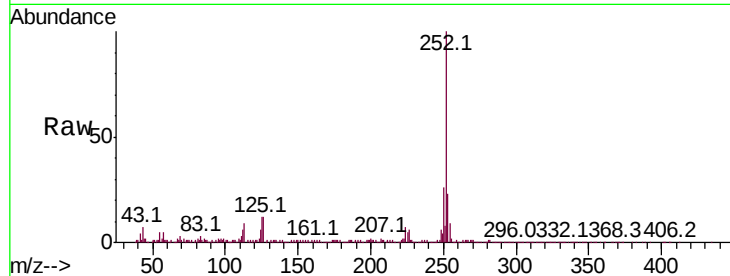
#89
Benzo(a)pyrene
Concen: 21.246 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.0	17.1	25.7	
125	11.7	9.8	14.6	

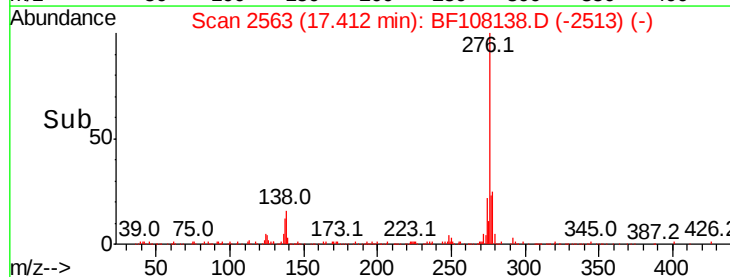
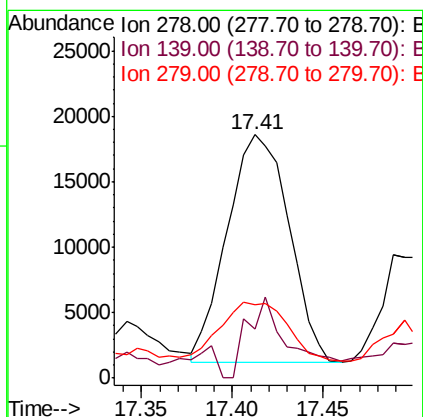
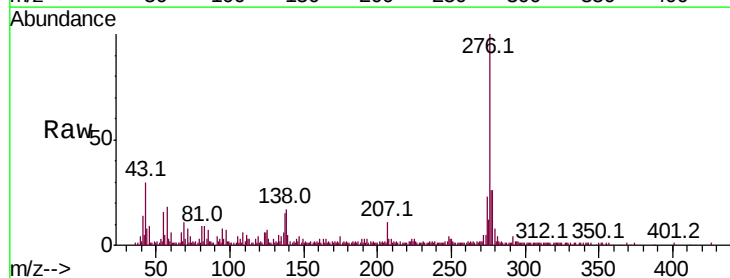
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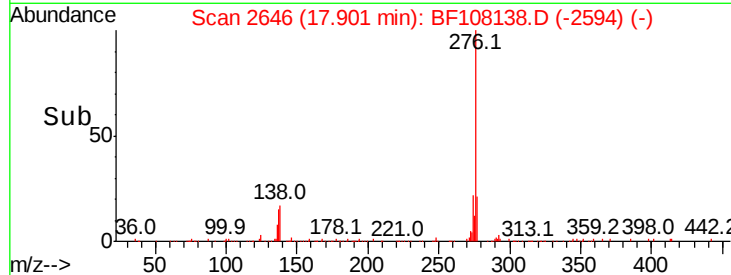
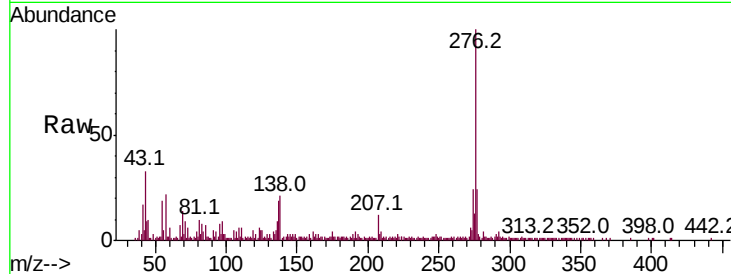
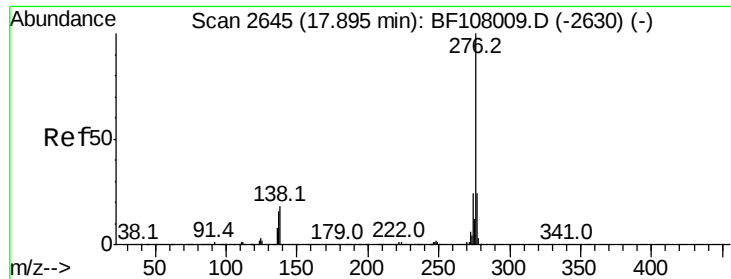
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#90
Dibenzo(a,h)anthracene
Concen: 2.714 ng m
RT: 17.41 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BF108138.D
Acq: 14 Aug 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	20.4	15.9	23.9	
279	30.4	19.0	28.4#	





#91
 Benzo(a,h,i)perylene
 Concen: 8.632 ng
 RT: 17.90 min Scan# 2646
 Delta R.T. 0.01 min
 Lab File: BF108138.D
 Acq: 14 Aug 2018 12:19

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

Tot Ion:	276	Resp:	128921
Ion Ratio	Lower	Upper	
276	100		
277	23.8	17.9	26.9
138	20.7	21.8	32.8#

Manual Integrations
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