

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107682.D
 Acq On : 26 Jul 2018 3:41
 Operator : JU/SJ
 Sample : J4126-11DL 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

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

Manual Integrations
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 7/26/2018 2:02:31 PM

Quant Time: Jul 26 08:23:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	170179	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	696520	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	271810	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	467466	20.00	ng	0.00
75) Chrysene-d12	14.15	240	383886	20.00	ng	-0.01
86) Perylene-d12	15.69	264	337252	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	37722	3.56	ng	0.00
7) Phenol-d6	6.61	99	51860	4.08	ng	0.00
23) Nitrobenzene-d5	7.54	82	43596	4.22	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	16073	5.20	ng	-0.01
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.08	244	65961	4.40	ng	-0.02
Target Compounds						
31) Naphthalene	8.27	128	199561	6.515	ng	Qvalue 98
37) 2-Methylnaphthalene	8.97	142	42826	2.018	ng	98
45) 1,1'-Biphenyl	9.42	154	65611	2.771	ng	95
48) Acenaphthylene	9.87	152	56020	2.060	ng	99
51) Acenaphthene	10.04	154	304115	17.853	ng	99
57) Fluorene	10.56	166	167275	9.350	ng	97
70) Phenanthrene	11.53	178	938588	41.203	ng	99
71) Anthracene	11.58	178	287284	12.526	ng	98
74) Fluoranthene	12.72	202	537557	21.991	ng	95
77) Pyrene	12.95	202	737634	28.092	ng	97
80) Benzo(a)anthracene	14.14	228	221218m	9.833	ng	
82) Chrysene	14.18	228	200326	9.270	ng	99
85) Indeno(1,2,3-cd)pyrene	17.27	276	56316	3.075	ng	# 91
87) Benzo(b)fluoranthene	15.23	252	128554m	6.965	ng	
88) Benzo(k)fluoranthene	15.25	252	60450m	3.343	ng	
89) Benzo(a)pyrene	15.62	252	160231	9.490	ng	98
91) Benzo(a,h,i)perylene	17.74	276	61084	4.243	ng	93

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

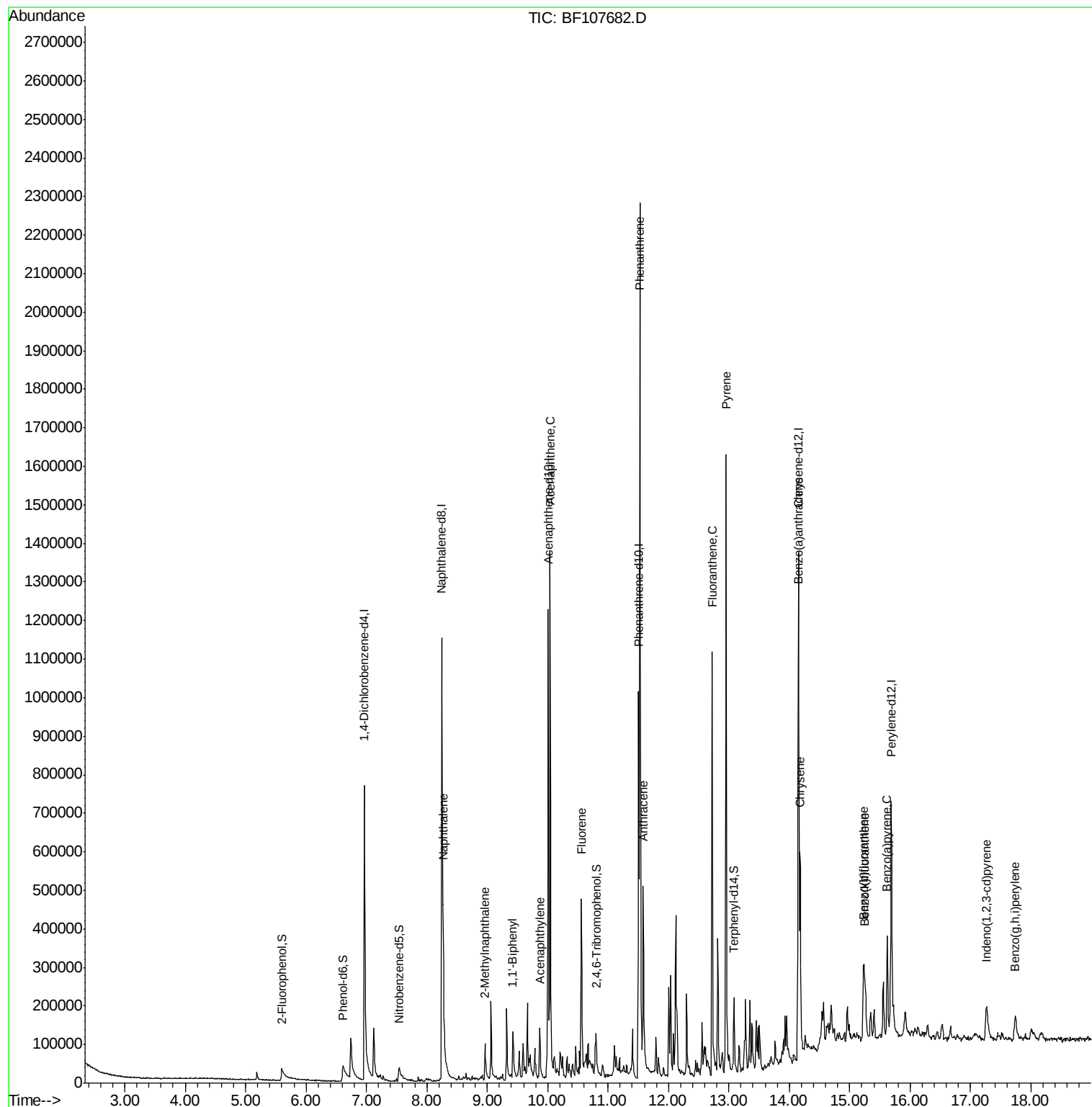
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
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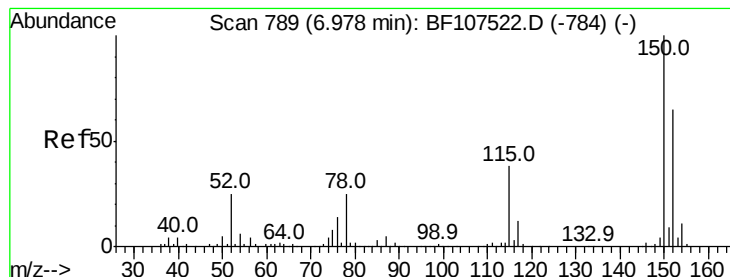
Instrument :
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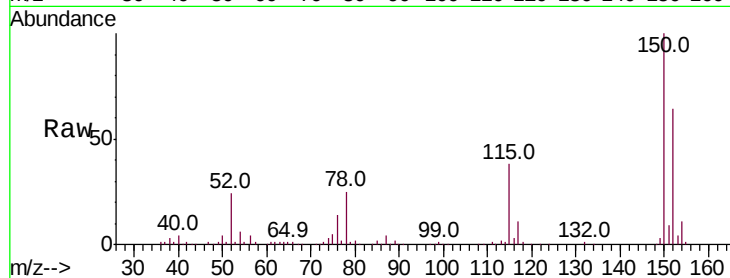
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	58.7	50.1	75.1

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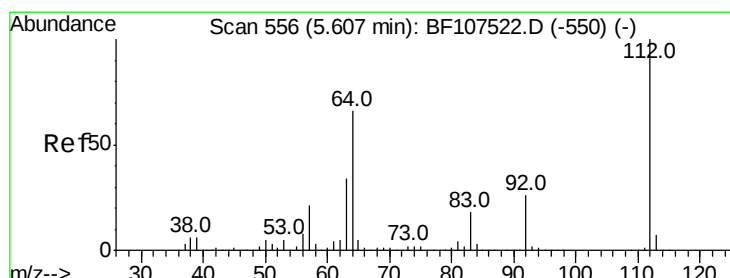
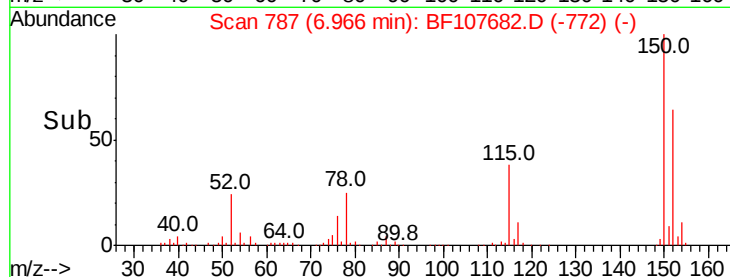
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

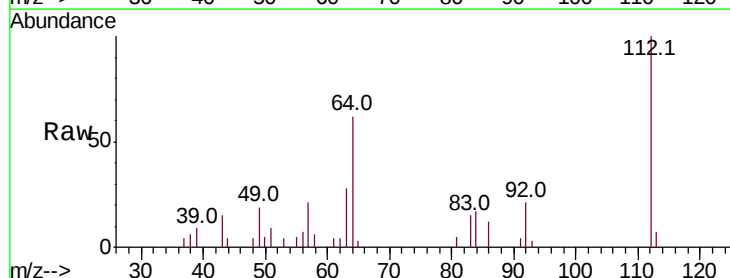
Ion 115.00 (114.70 to 115.70): E

Time-->



#5
 2-Fluorophenol
 Concen: 3.564 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	27.9	23.7	35.5



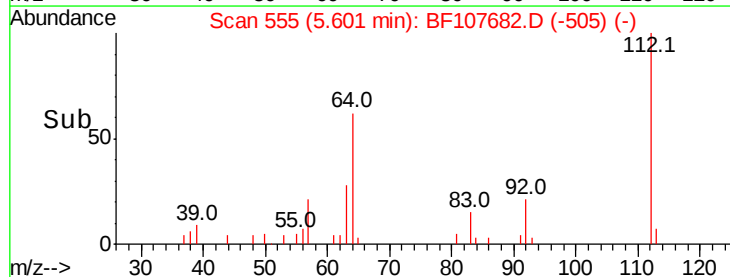
Abundance

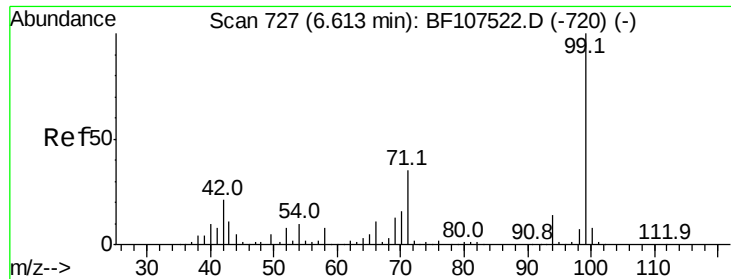
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 4.080 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107682.D

Acq: 26 Jul 2018 3:41

Instrument :

BNA_F

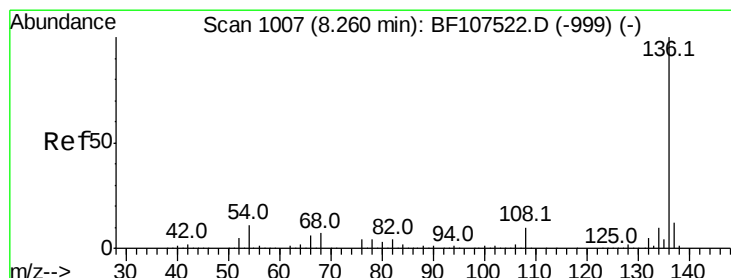
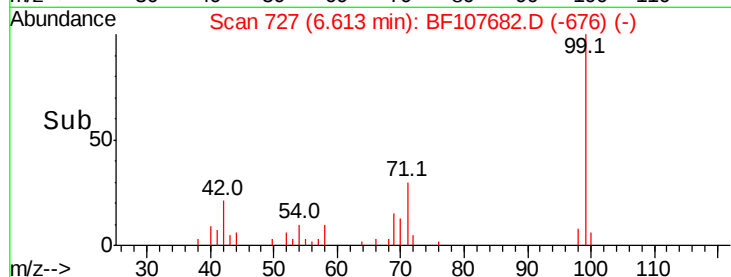
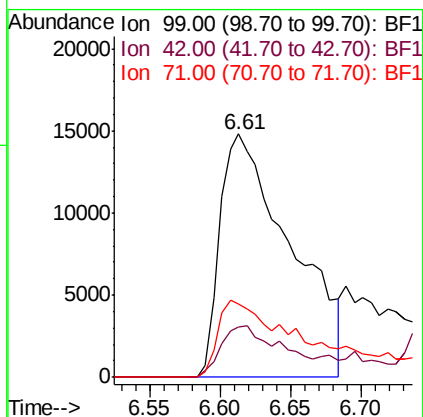
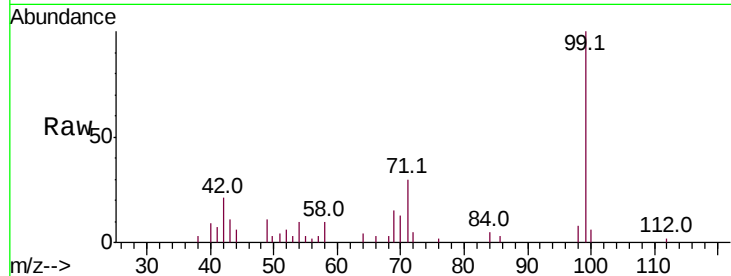
ClientSampleId :

2018-NYSEG-CLARK-AREA-8DL

Tot Ion:	99	Resp:	51860
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	29.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

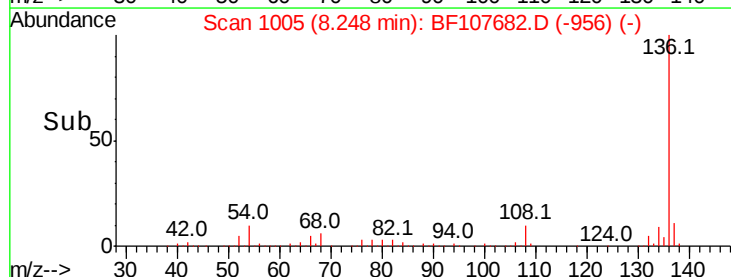
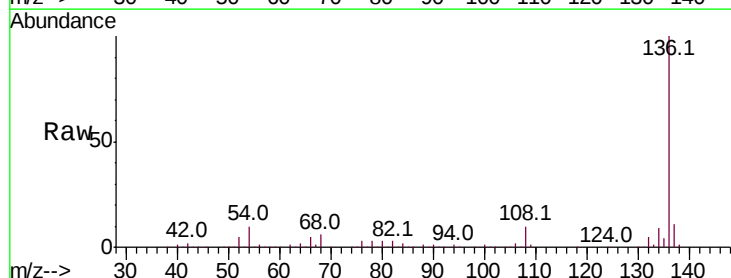
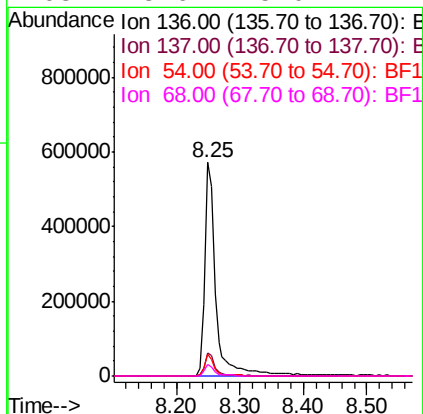
RT: 8.25 min Scan# 1005

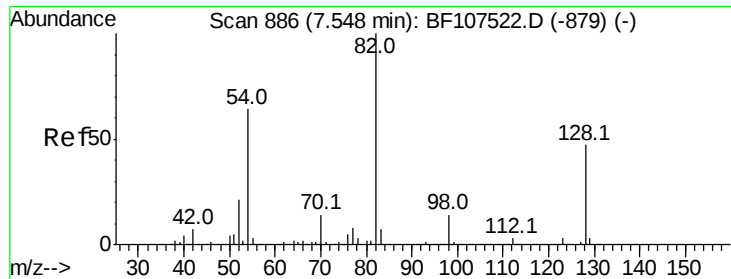
Delta R.T. -0.01 min

Lab File: BF107682.D

Acq: 26 Jul 2018 3:41

Tgt Ion:	136	Resp:	696520
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	10.0	6.6	9.8#
68	5.6	5.0	7.4





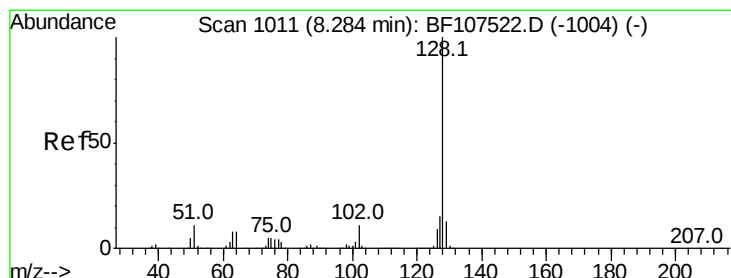
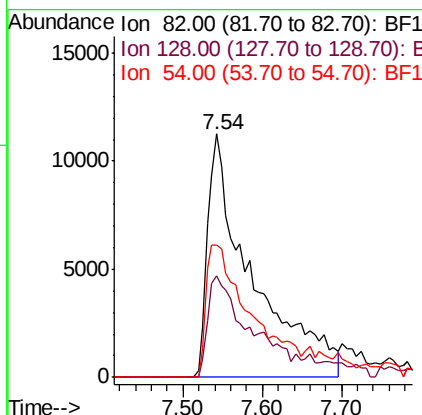
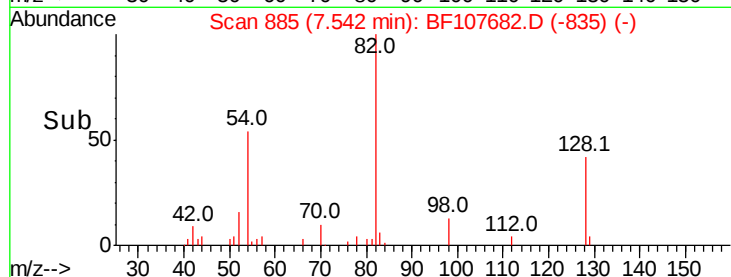
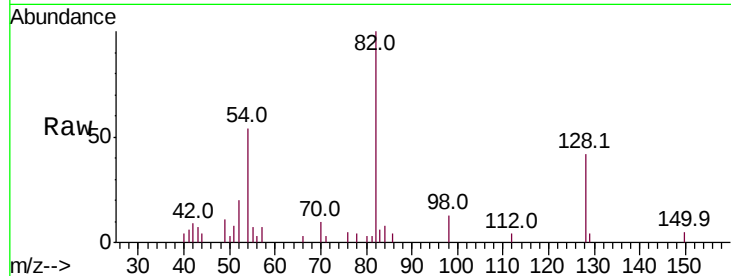
#23
Nitrobenzene-d5
Concen: 4.224 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	54.3	41.4	62.2

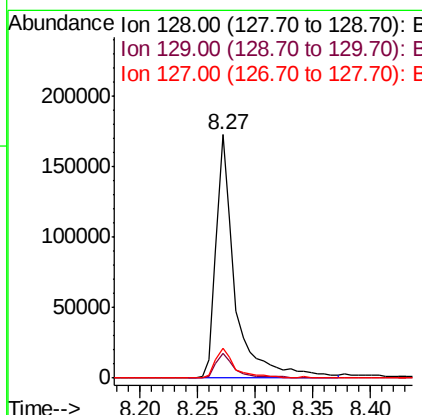
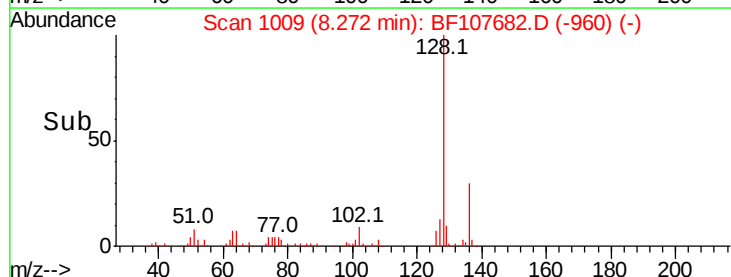
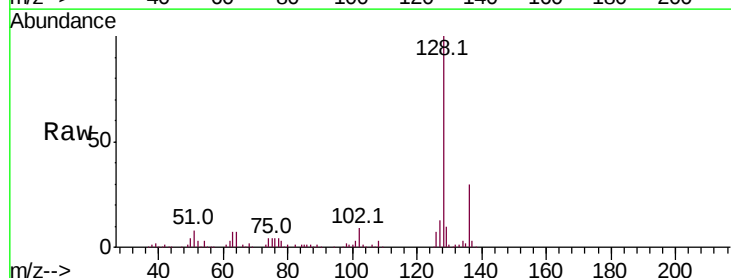
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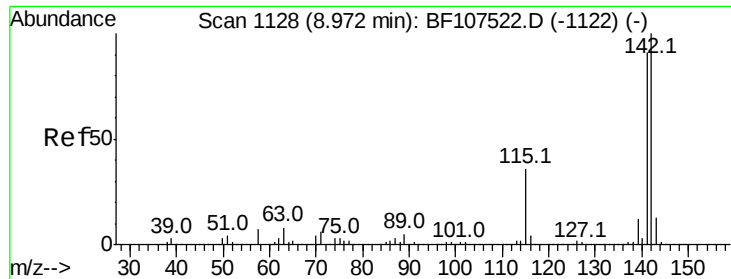
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#31
Naphthalene
Concen: 6.515 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.5	10.9	16.3





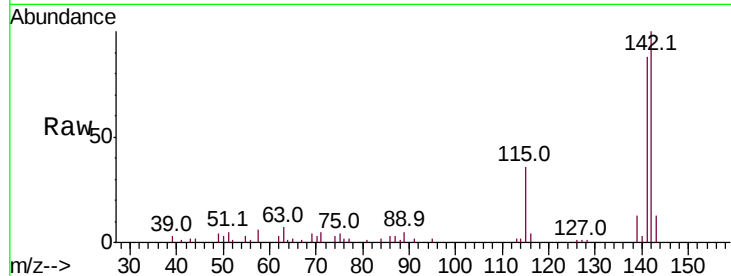
#37
 2-Methylnaphthalene
 Concen: 2.018 ng
 RT: 8.97 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	35.8	26.1	39.1

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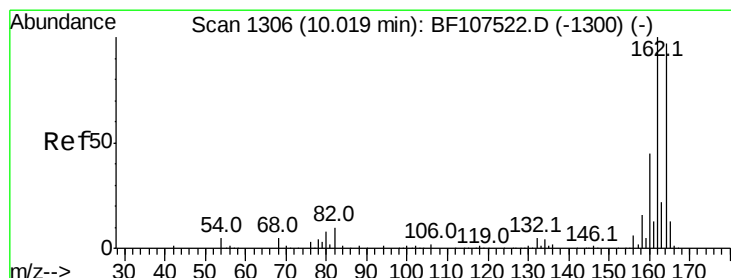
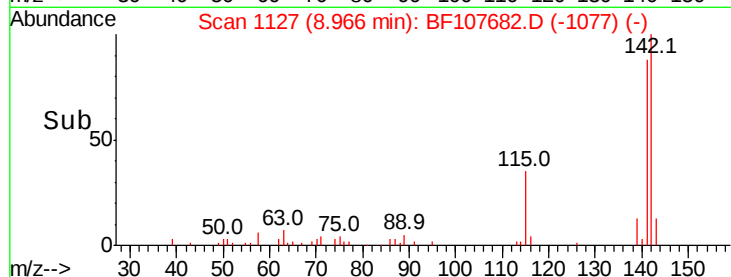
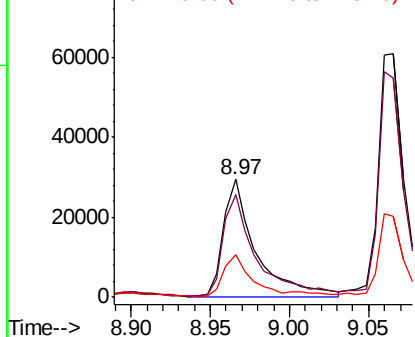


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

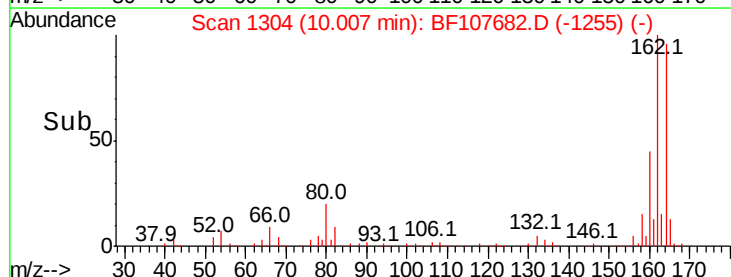
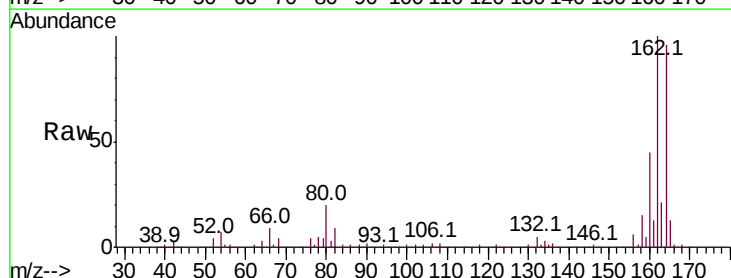
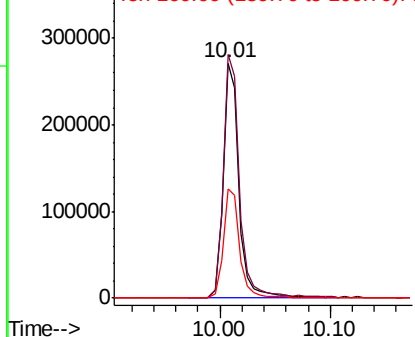
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	46.3	38.3	57.5

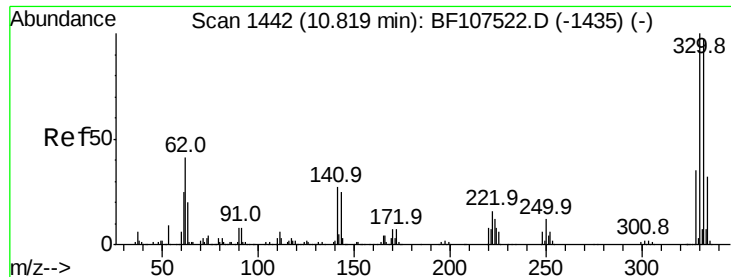
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





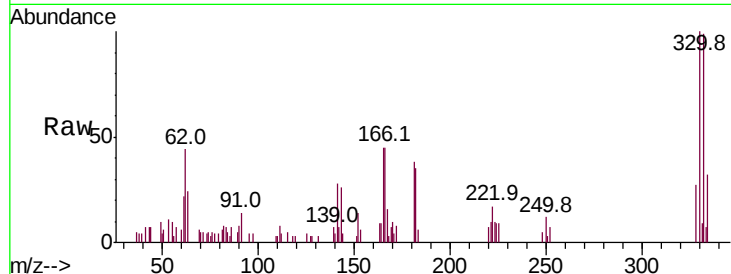
#41
 2,4,6-Tribromophenol
 Concen: 5.200 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	91.5	77.0	115.6	
141	38.4	29.9	44.9	

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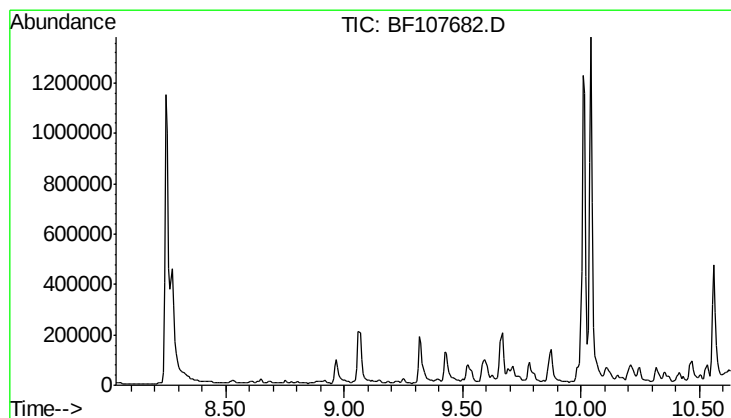
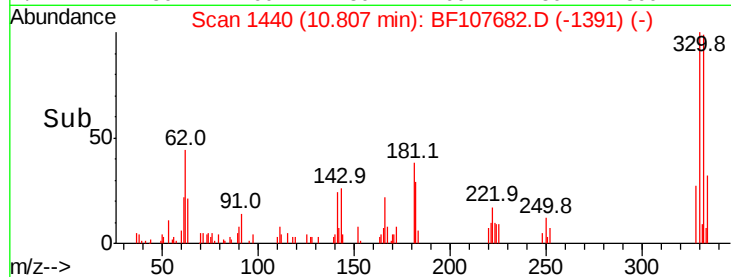
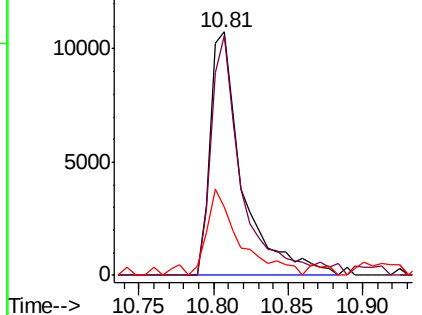


Abundance

Ion 329.80 (329.50 to 330.50): E

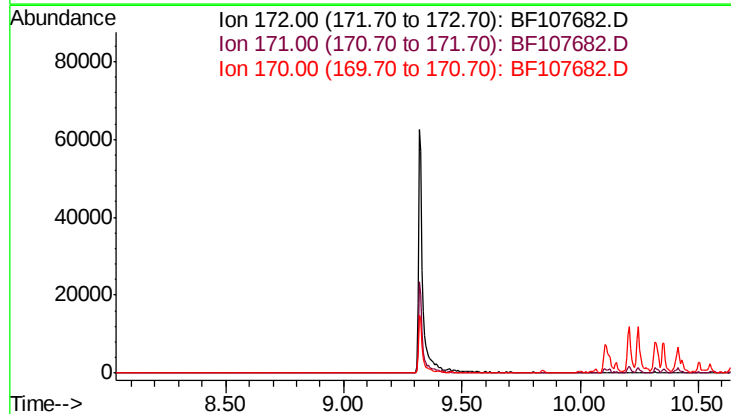
Ion 331.80 (331.50 to 332.50): E

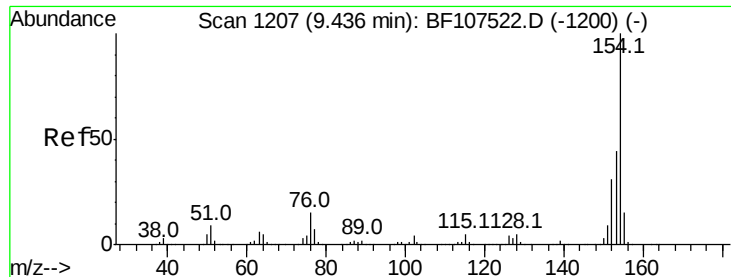
Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.34 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

Tgt Ion	Sig	Exp Ratio
172	100	
171	37.1	
170	24.5	





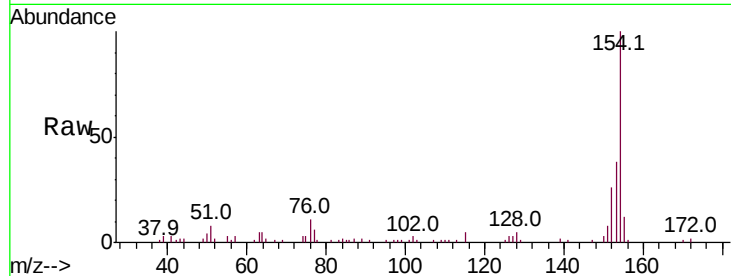
#45
 1,1'-Biphenyl
 Concen: 2.771 ng
 RT: 9.42 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

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

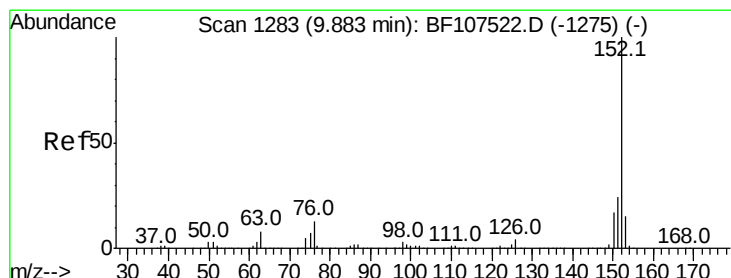
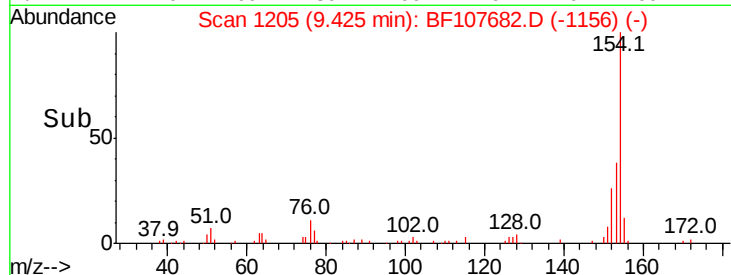
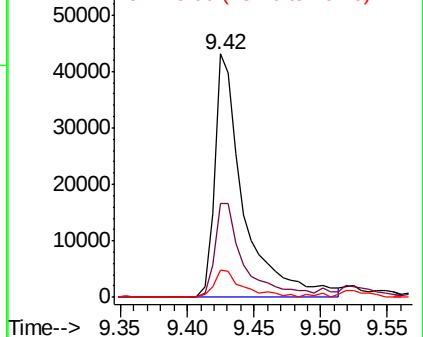
Tot Ion:	154	Resp:	65611
Ion Ratio	Lower	Upper	
154	100		
153	38.3	21.3	61.3
76	11.2	0.0	34.0

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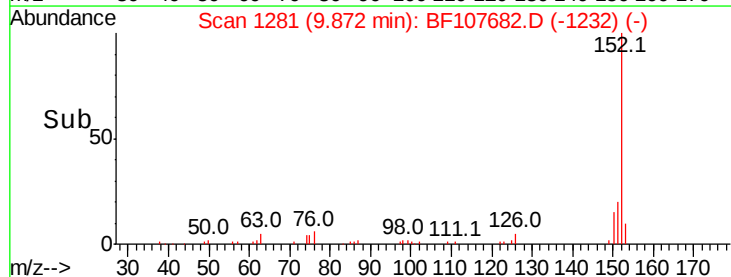
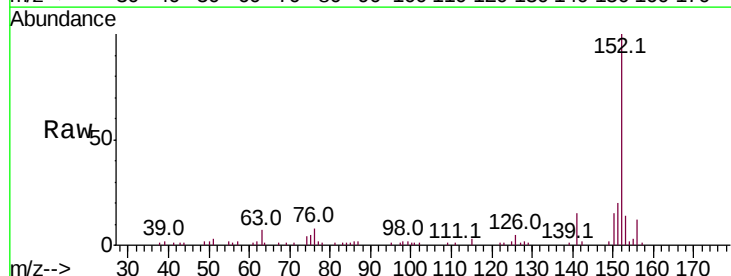
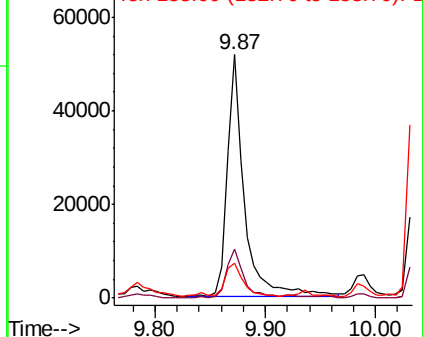
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

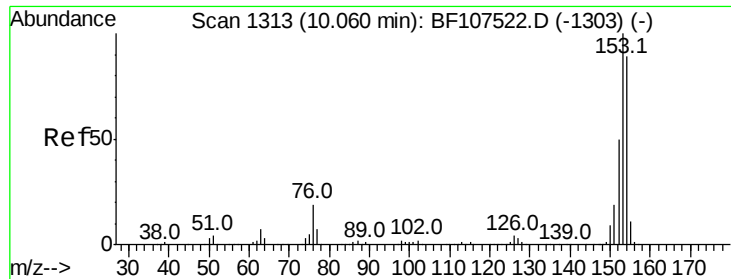


#48
 Acenaphthylene
 Concen: 2.060 ng
 RT: 9.87 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

Tgt Ion:	152	Resp:	56020
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	14.4	10.7	16.1

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





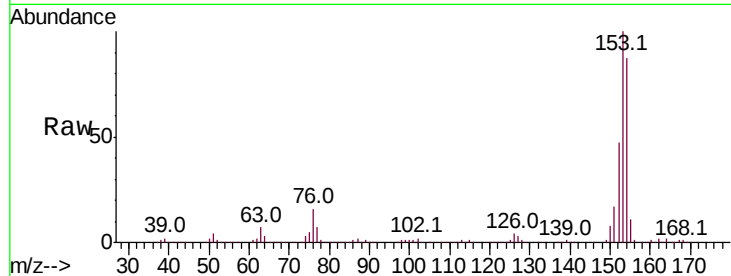
#51
Acenaphthene
Concen: 17.853 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

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

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.1	91.2	136.8	
152	54.5	43.8	65.8	

Manual Integrations
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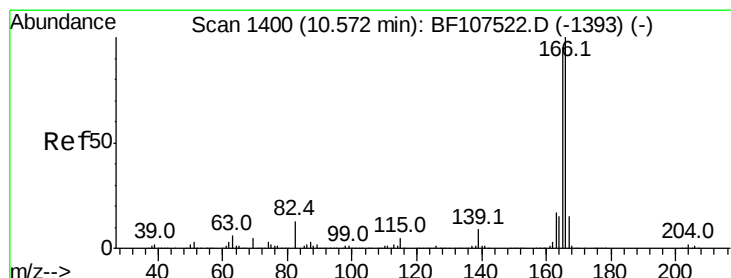
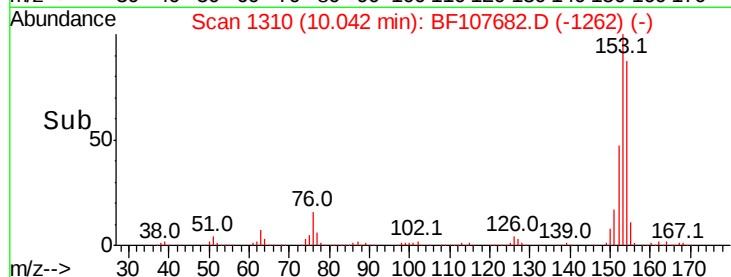
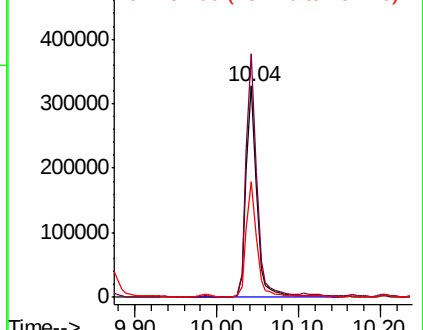


Abundance

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: 9.350 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

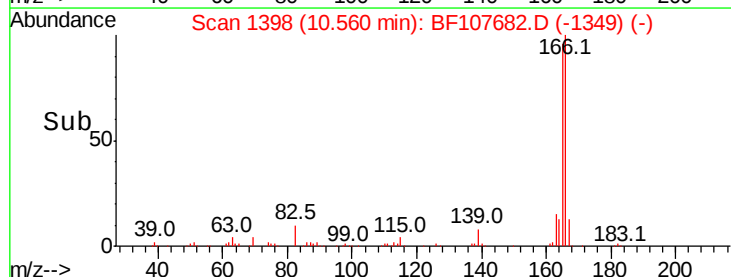
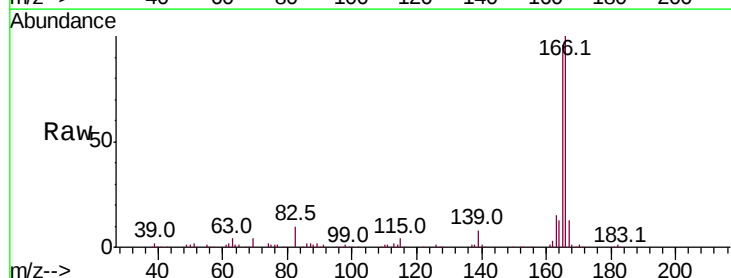
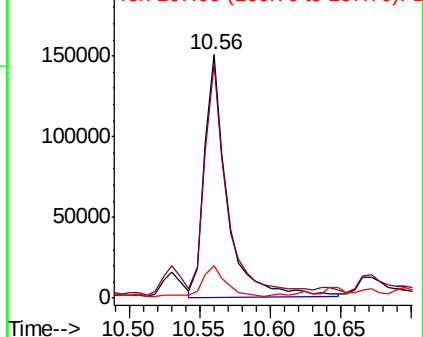
Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.1	79.8	119.8	
167	13.5	10.6	16.0	

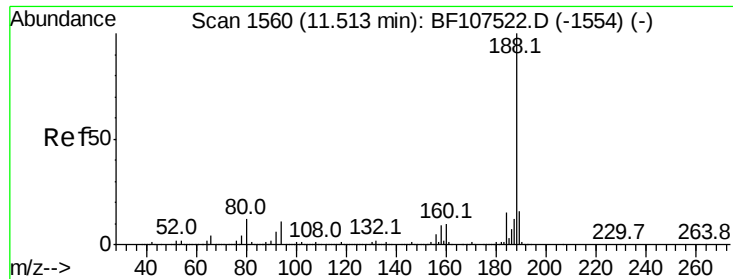
Abundance

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





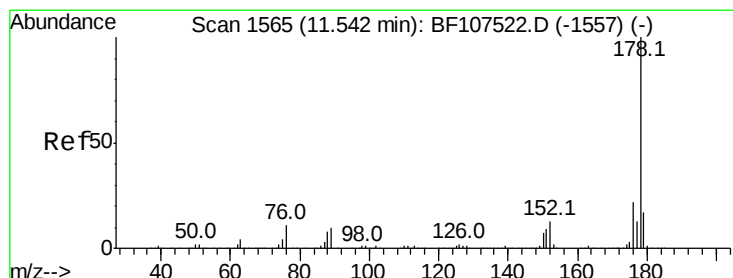
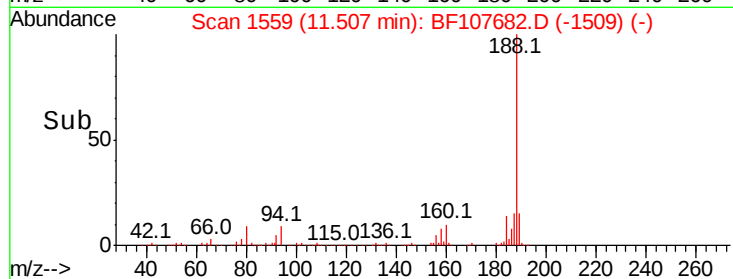
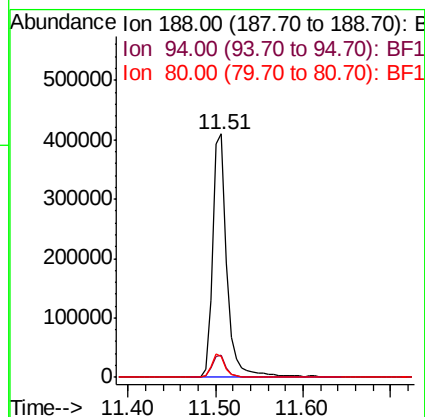
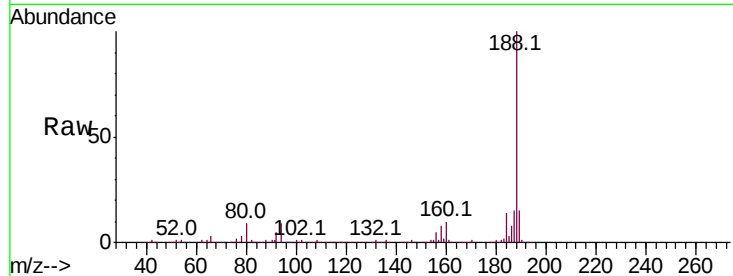
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.5	12.7
80	8.7	9.2	13.8#

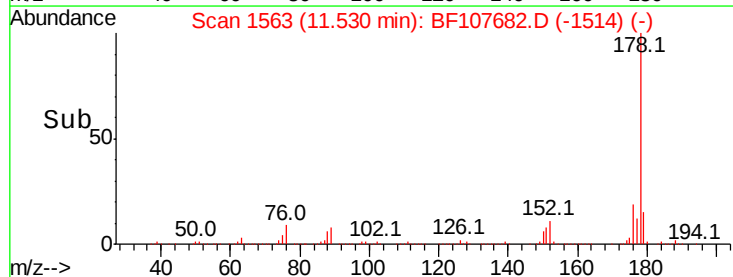
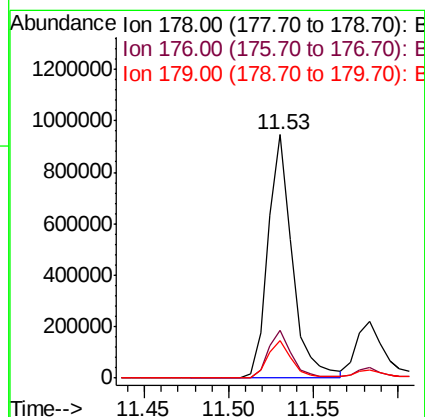
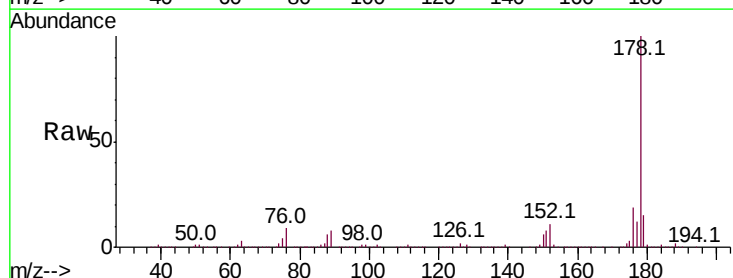
Manual Integrations
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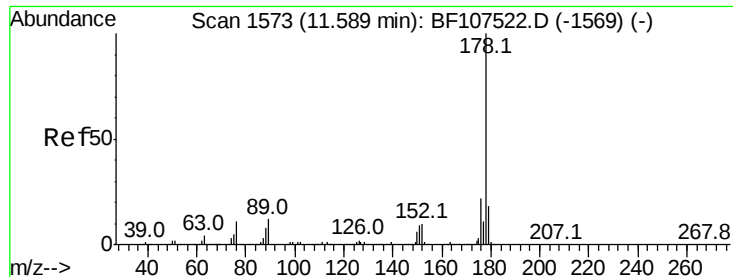
Sohil
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#70
Phenanthrene
Concen: 41.203 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.5	13.0	19.6





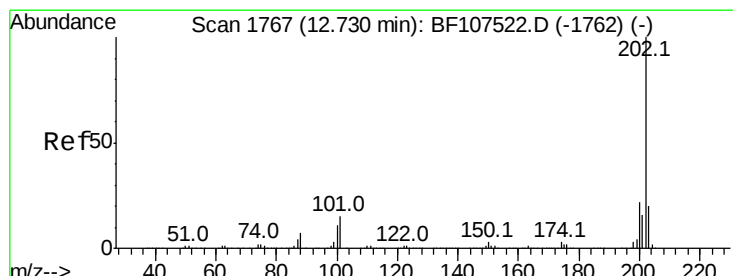
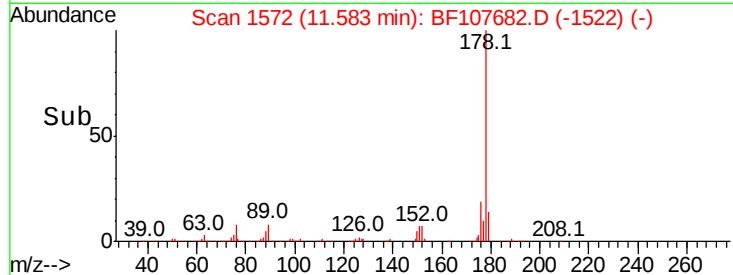
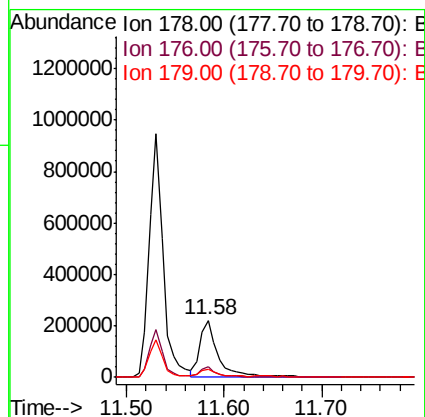
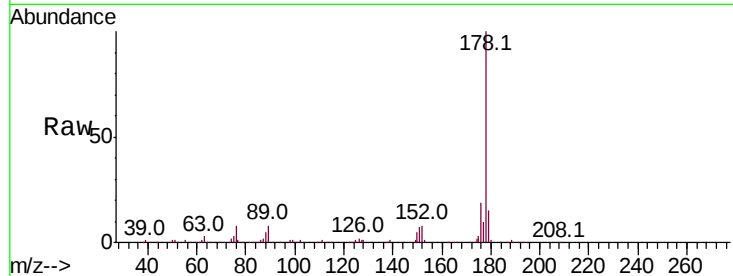
#71
 Anthracene
 Concen: 12.526 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

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

Tot Ion:	178	Resp:	287284
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.2
179	14.8	12.6	19.0

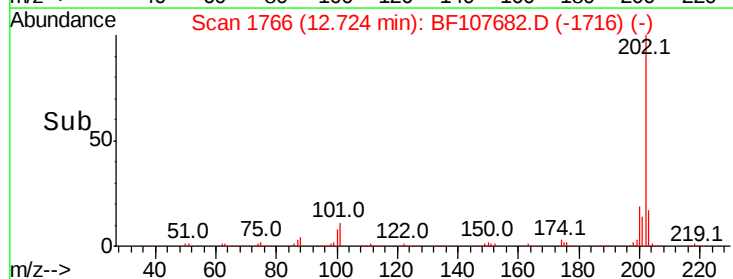
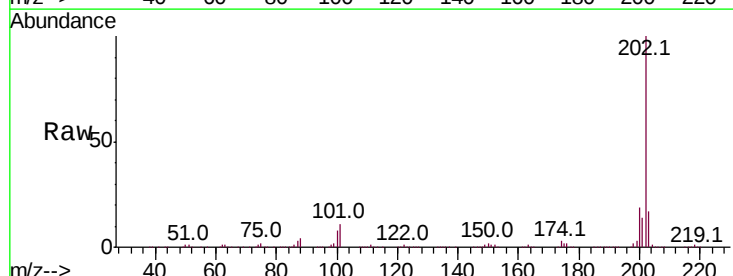
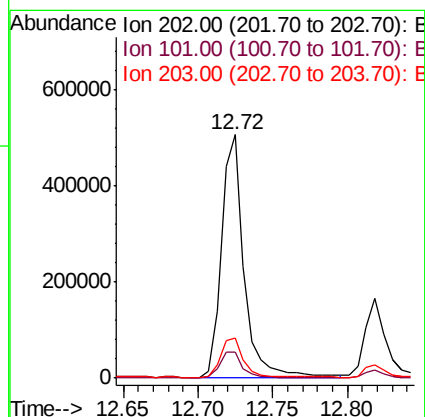
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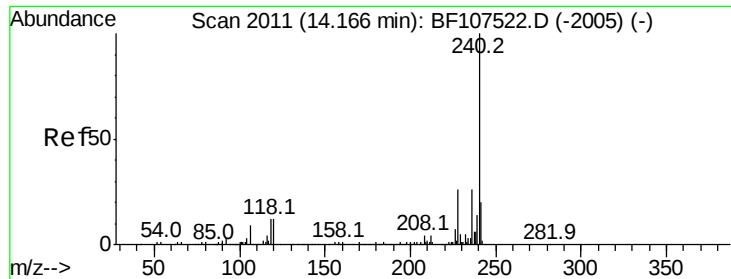
Sohil
 7/26/2018 2:02:31 PM



#74
 Fluoranthene
 Concen: 21.991 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

Tgt Ion:	202	Resp:	537557
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107682.D

Acq: 26 Jul 2018 3:41

Instrument :

BNA_F

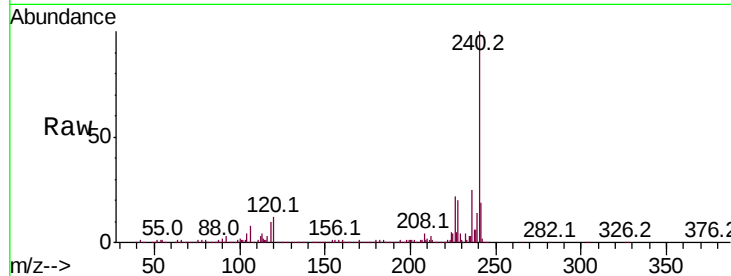
ClientSampleId :

2018-NYSEG-CLARK-AREA-8DL

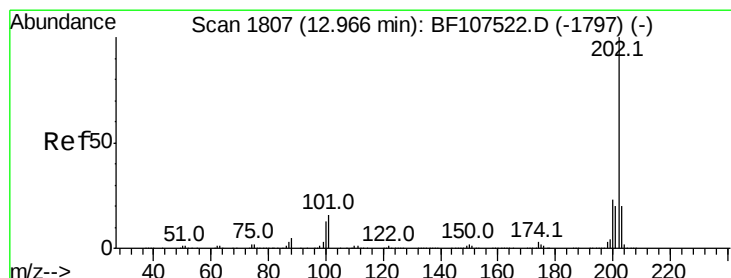
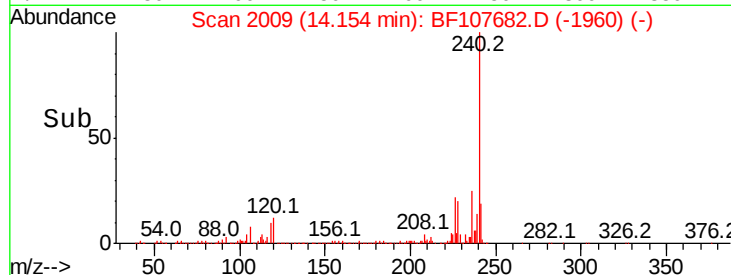
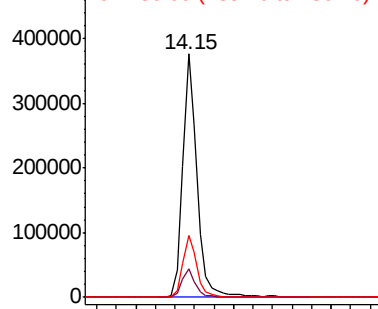
Tot Ion:	240	Resp:	383886
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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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: 28.092 ng

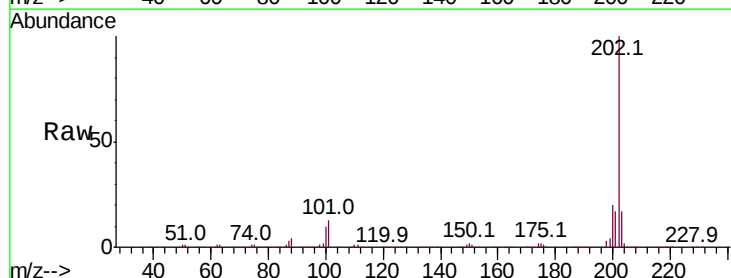
RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

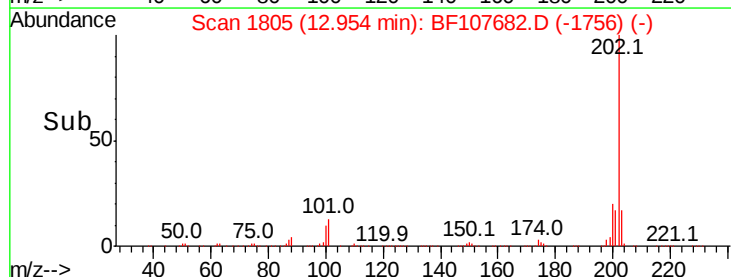
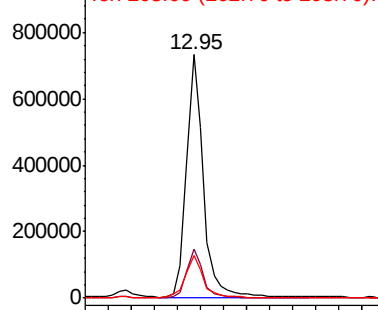
Lab File: BF107682.D

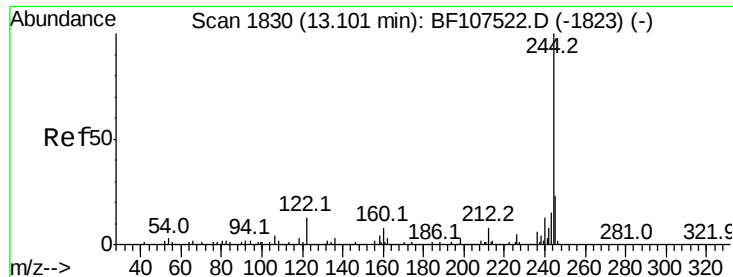
Acq: 26 Jul 2018 3:41

Tgt Ion:	202	Resp:	737634
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.4	26.2
203	17.4	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: 4.399 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107682.D

Acq: 26 Jul 2018 3:41

Instrument :

BNA_F

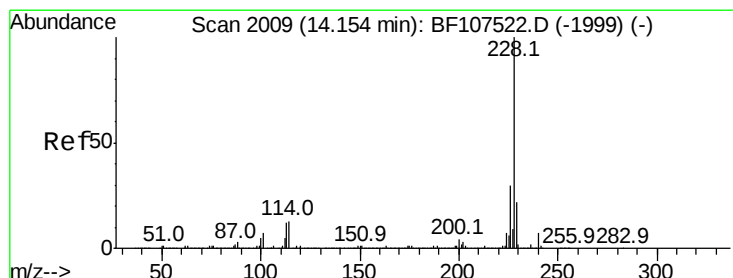
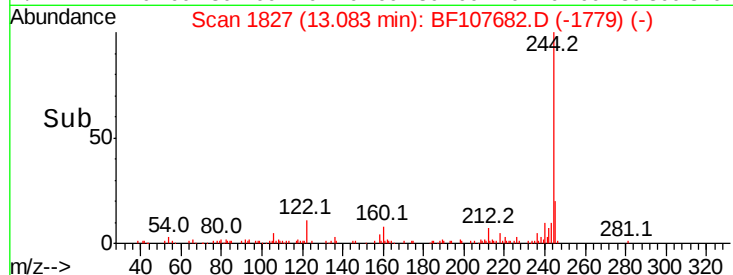
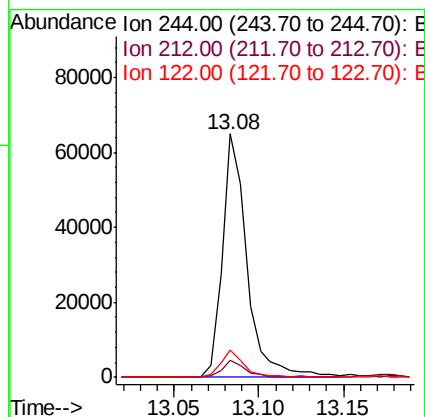
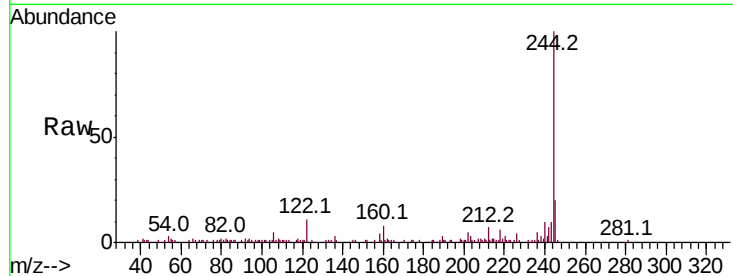
ClientSampleId :

2018-NYSEG-CLARK-AREA-8DL

Tot Ion:	244	Resp:	65961
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.0	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 9.833 ng m

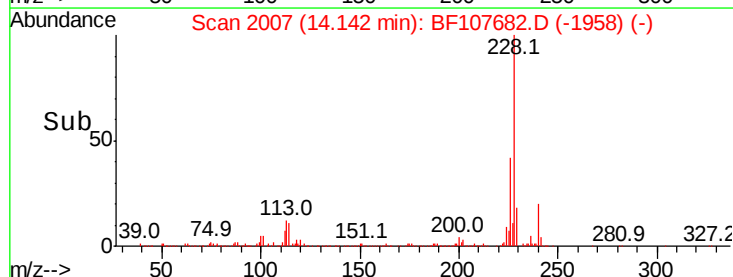
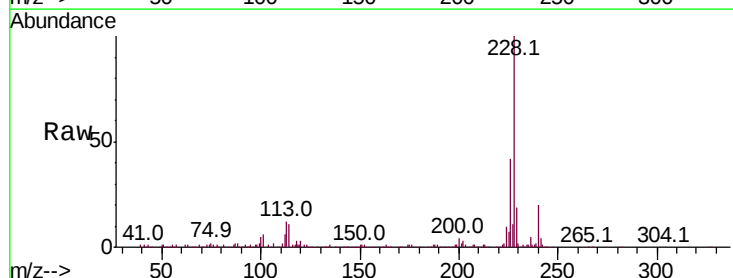
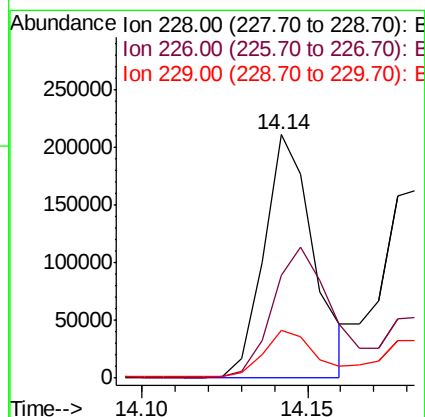
RT: 14.14 min Scan# 2007

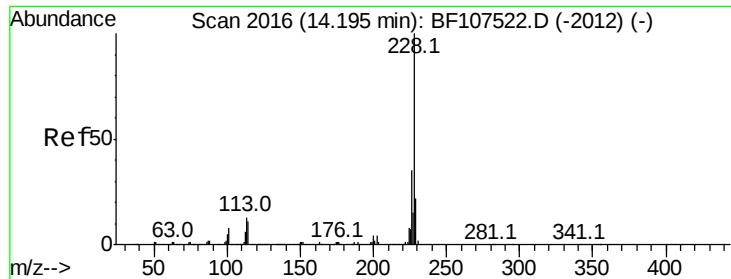
Delta R.T. -0.01 min

Lab File: BF107682.D

Acq: 26 Jul 2018 3:41

Tgt Ion:	228	Resp:	221218
Ion Ratio	Lower	Upper	
228	100		
226	42.3	22.6	33.8#
229	19.4	15.8	23.6





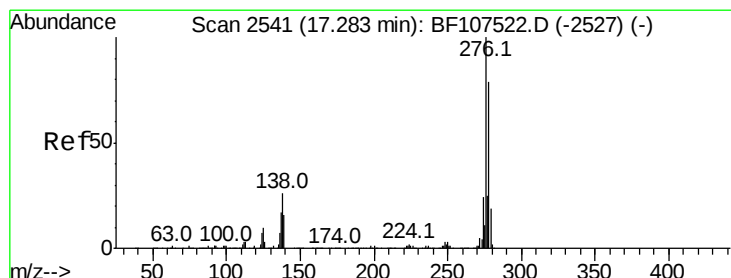
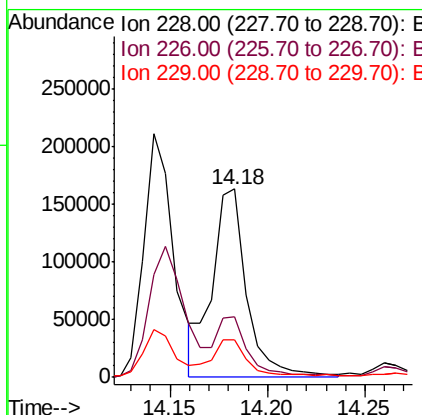
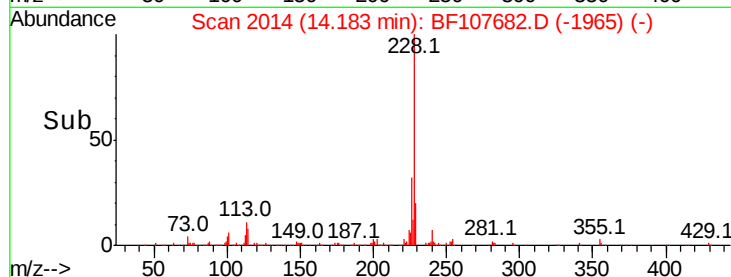
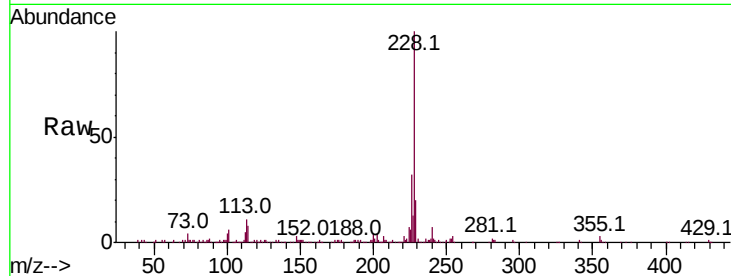
#82
Chrysene
Concen: 9.270 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

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

Tot Ion:	228	Resp:	200326
Ion Ratio	Lower	Upper	
228	100		
226	32.4	25.0	37.6
229	20.2	16.2	24.4

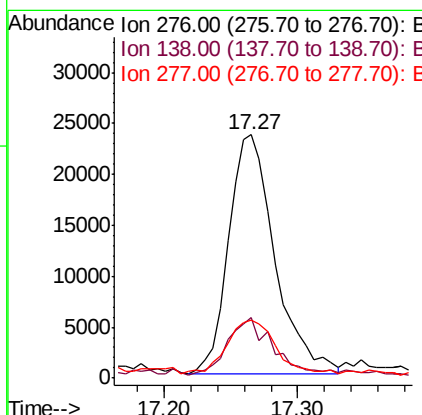
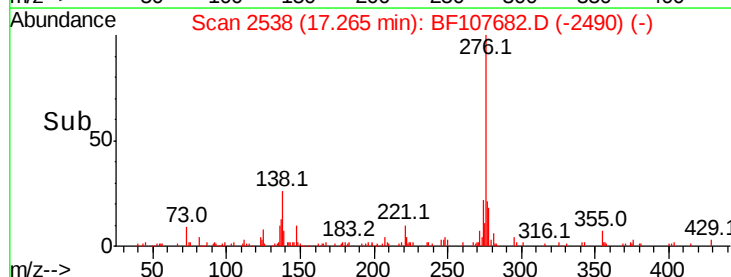
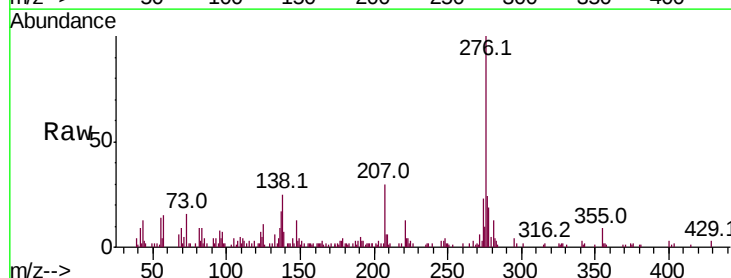
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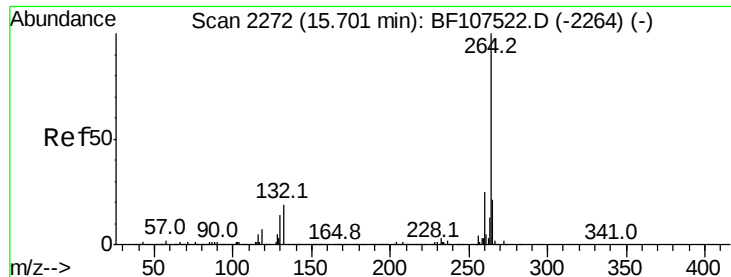
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.075 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

Tgt Ion:	276	Resp:	56316
Ion Ratio	Lower	Upper	
276	100		
138	23.1	25.0	37.6#
277	24.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF107682.D

Acq: 26 Jul 2018 3:41

Instrument :

BNA_F

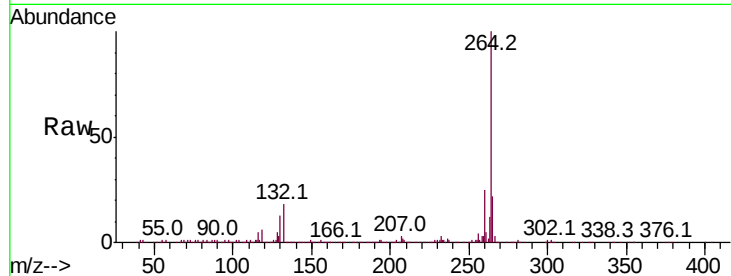
ClientSampleId :

2018-NYSEG-CLARK-AREA-8DL

Tot Ion:	264	Resp:	337252
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	22.1	17.5	26.3

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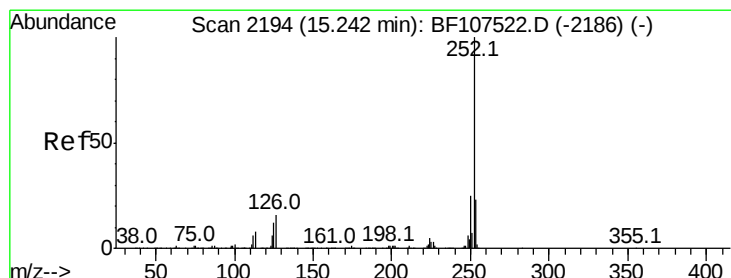
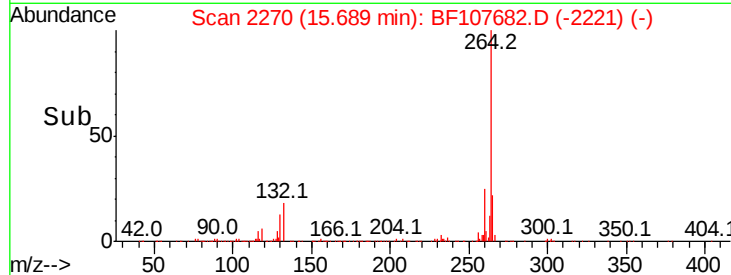
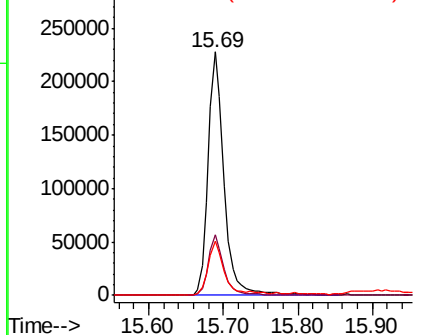


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.965 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107682.D

Acq: 26 Jul 2018 3:41

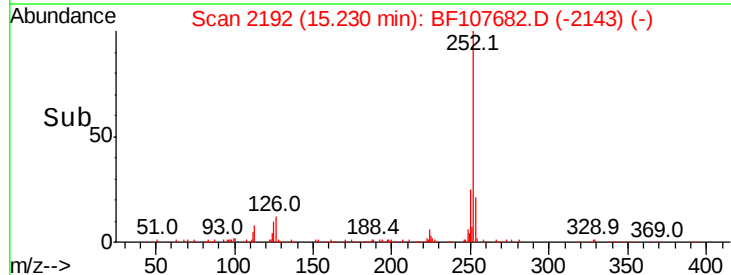
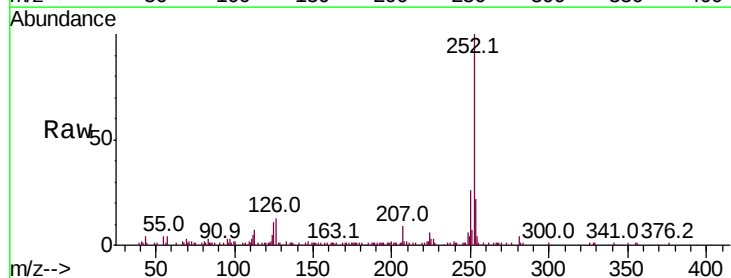
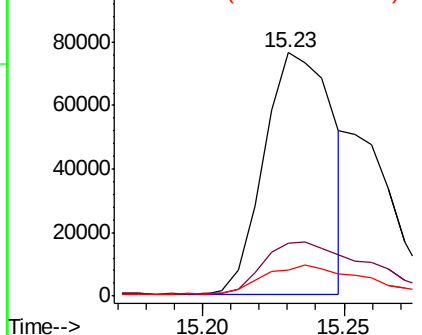
Tgt Ion:	252	Resp:	128554
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.0	25.6
125	10.9	9.0	13.6

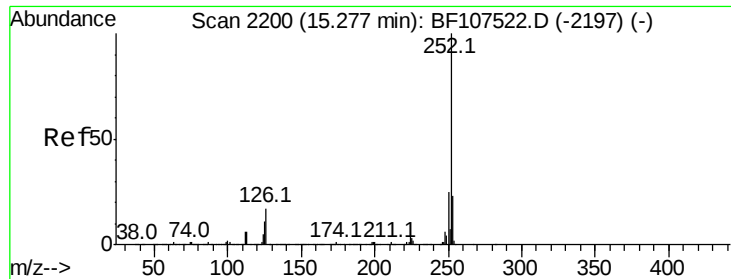
Abundance

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





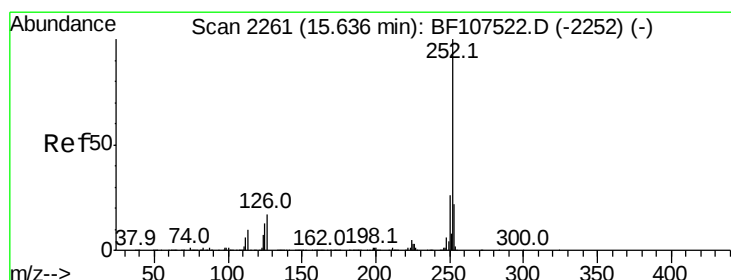
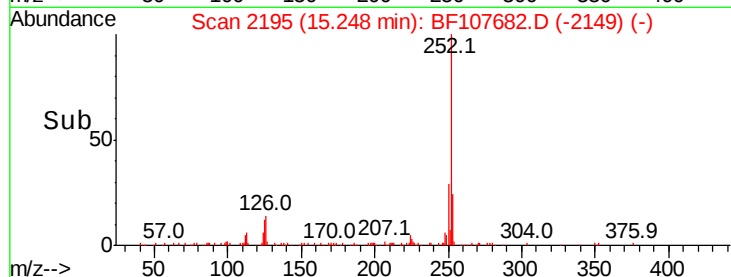
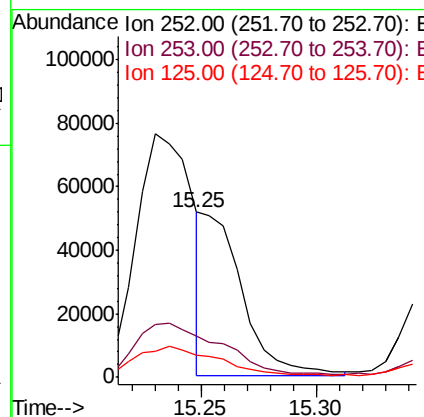
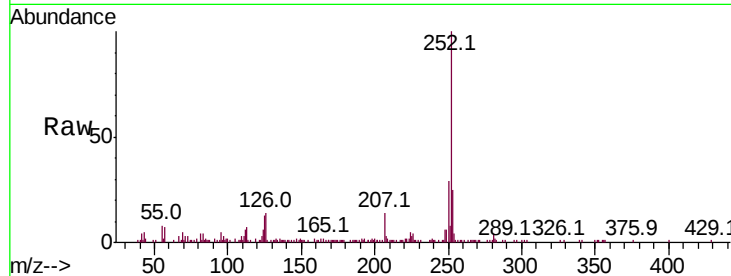
#88
Benzo(k)fluoranthene
Concen: 3.343 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	13.5	10.2	15.2

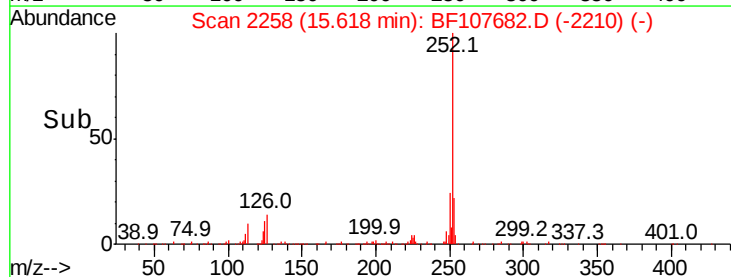
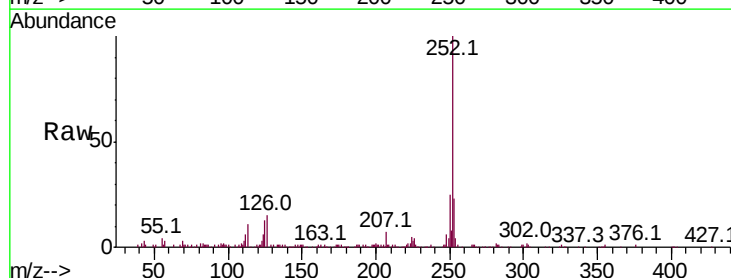
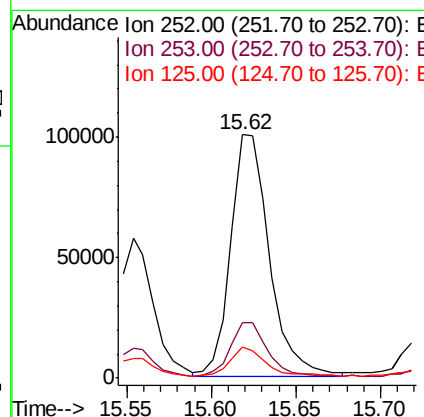
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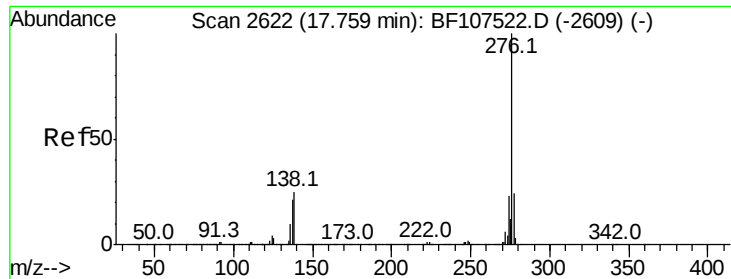
Sohil
7/26/2018 2:02:31 PM



#89
Benzo(a)pyrene
Concen: 9.490 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107682.D
Acq: 26 Jul 2018 3:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	12.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.243 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BF107682.D
 Acq: 26 Jul 2018 3:41

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

Tot Ion:	276	Resp:	61084
Ion Ratio	Lower	Upper	
276	100		
277	26.5	17.9	26.9
138	24.5	21.8	32.8

Manual Integrations
 APPROVED

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