

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107877.D
 Acq On : 1 Aug 2018 4:09
 Operator : JU/SJ
 Sample : J4231-09DL 100X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-5DL

Manual Integrations
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Sohil
 8/1/2018 3:57:42 PM

Quant Time: Aug 01 06:38:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	95785	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	538392	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	205157	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	403988	20.00	ng	0.00
75) Chrysene-d12	14.15	240	400653	20.00	ng	0.00
86) Perylene-d12	15.69	264	295257	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.71	99	133	0.02	ng	0.11
23) Nitrobenzene-d5	7.63	82	952	0.10	ng	0.09
41) 2,4,6-Tribromophenol	10.81	330	1143	0.41	ng	0.01
44) 2-Fluorobiphenyl	9.32	172	9854	0.67	ng	0.00
78) Terphenyl-d14	13.08	244	17303	0.94	ng	0.00
Target Compounds						
45) 1,1'-Biphenyl	9.42	154	40200	2.153	ng	96
48) Acenaphthylene	9.87	152	49325	2.260	ng	98
51) Acenaphthene	10.04	154	222883	17.578	ng	99
57) Fluorene	10.55	166	127789	8.390	ng	89
70) Phenanthrene	11.52	178	1075932	56.089	ng	100
71) Anthracene	11.58	178	592917	26.798	ng	98
74) Fluoranthene	12.72	202	814679	36.151	ng	97
77) Pyrene	12.95	202	1088077	37.715	ng	98
80) Benzo(a)anthracene	14.14	228	301966	13.305	ng	# 81
82) Chrysene	14.18	228	258199	10.548	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	75081	4.032	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	145051m	9.961	ng	
88) Benzo(k)fluoranthene	15.25	252	93145m	5.210	ng	
89) Benzo(a)pyrene	15.62	252	191124	12.714	ng	97
91) Benzo(a,h,i)perylene	17.76	276	79089	6.233	ng	# 92

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

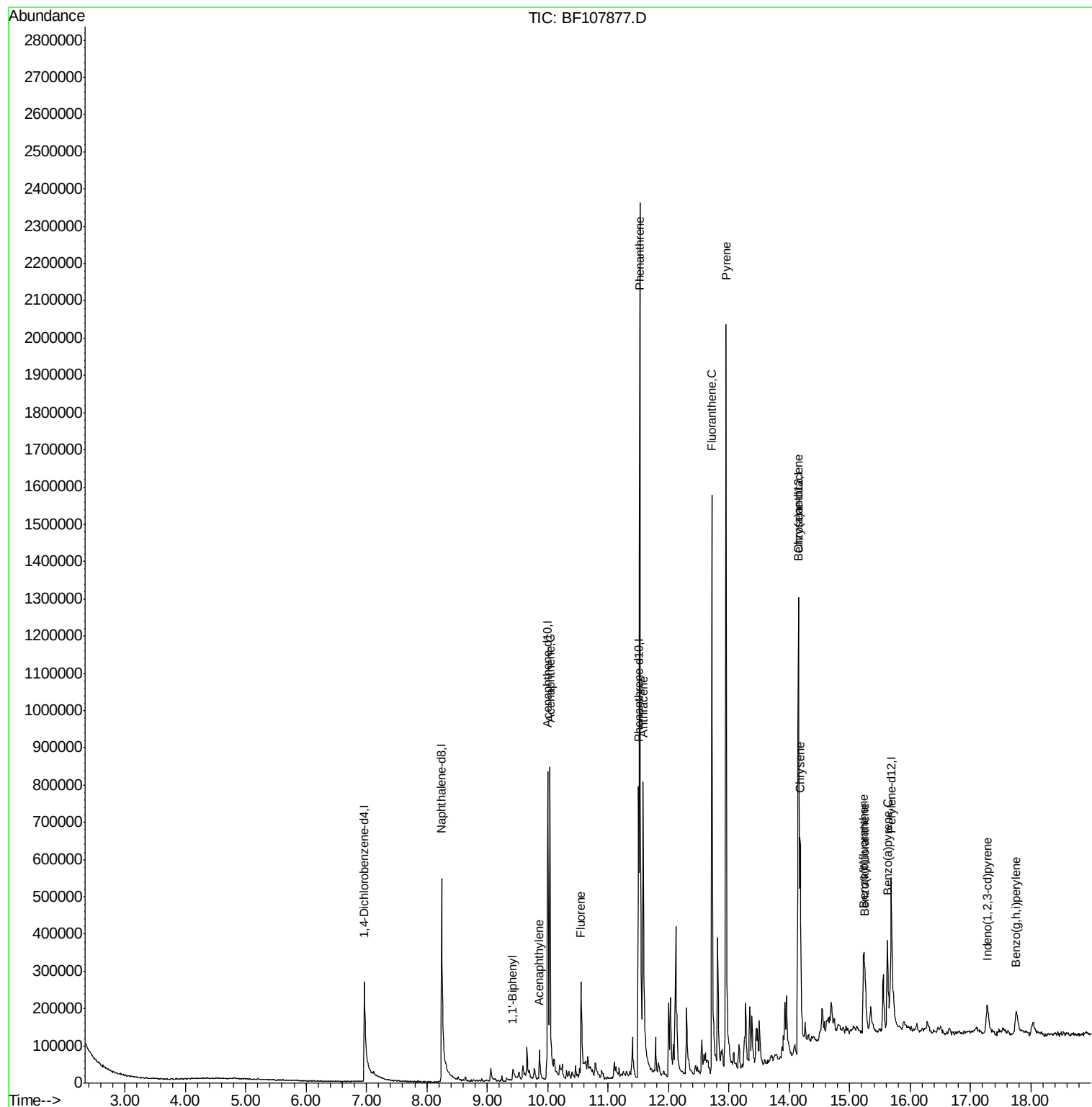
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
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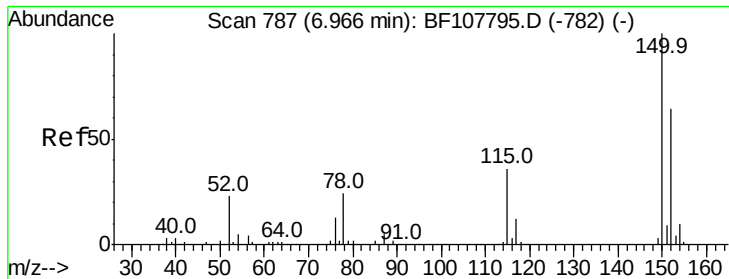
Instrument :
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2018-NYSEG-CLARK-AREA-14-5DL

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#1

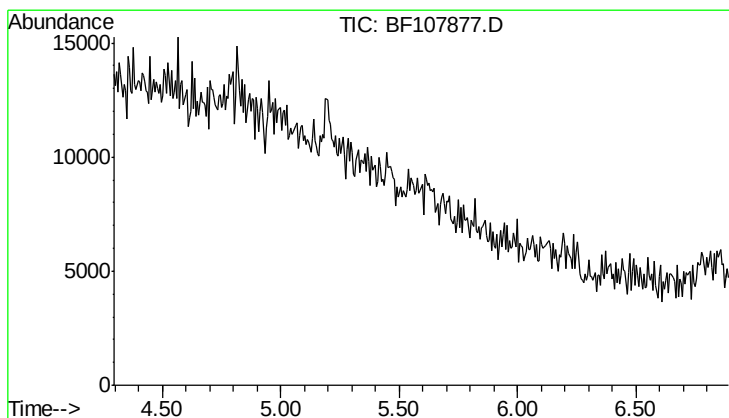
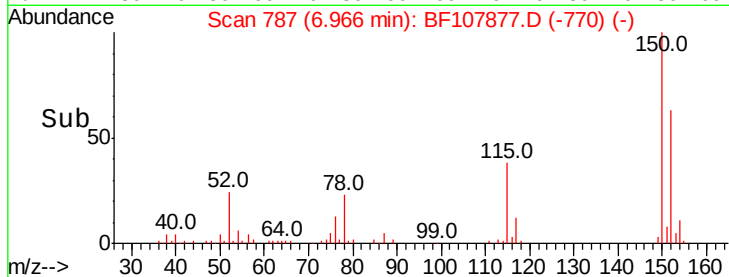
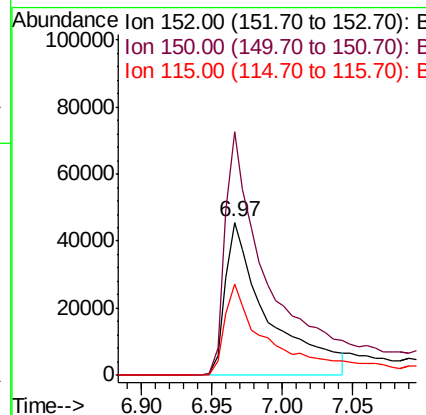
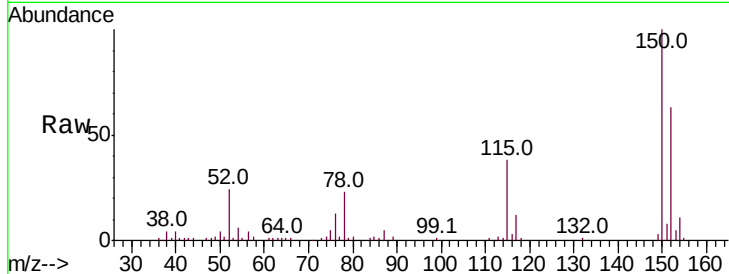
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	59.9	50.1	75.1

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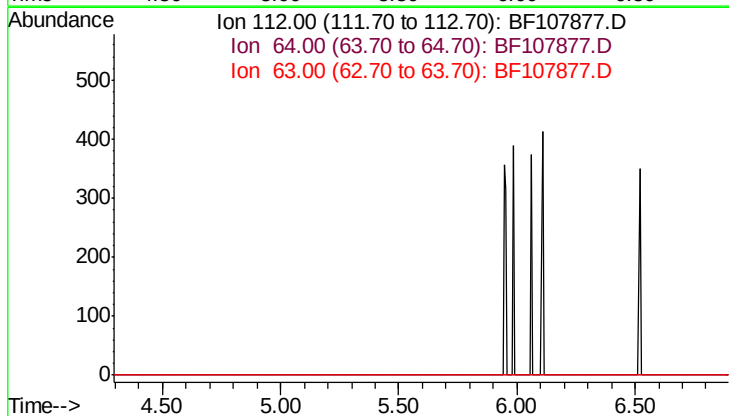


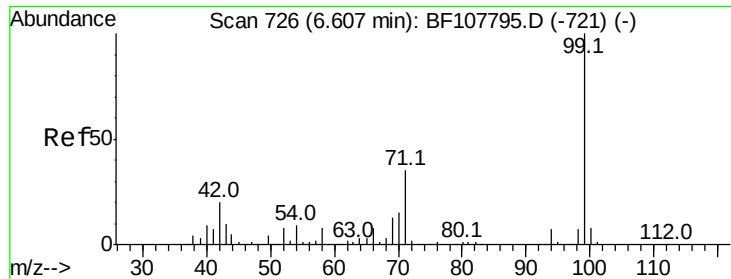
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





#7

Phenol-d6

Concen: 0.018 ng

RT: 6.71 min Scan# 744

Delta R.T. 0.11 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Instrument :

BNA_F

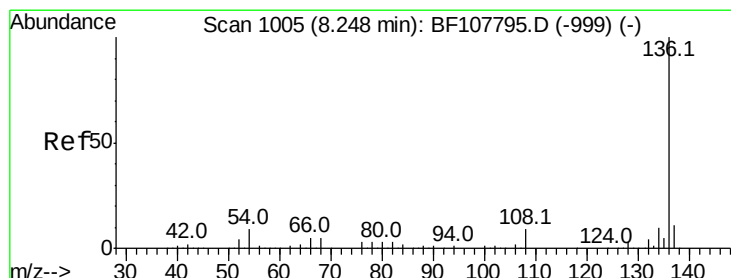
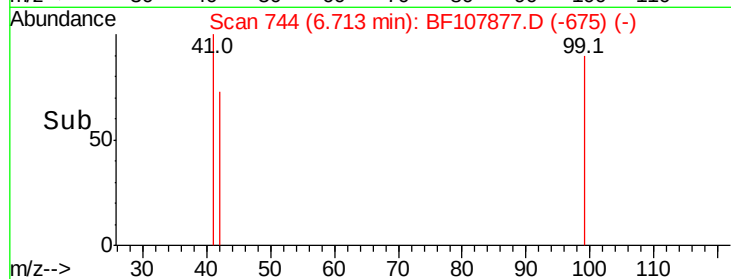
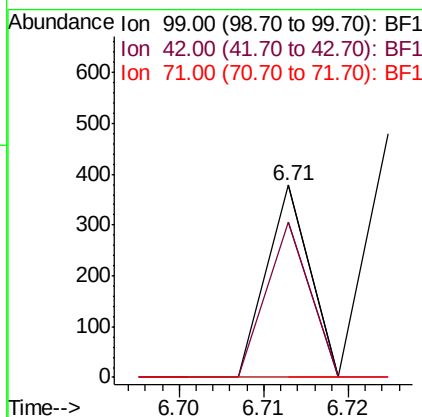
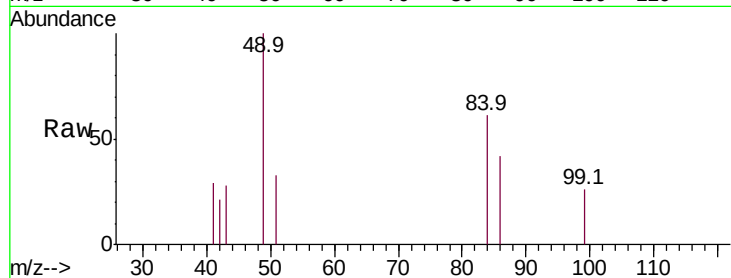
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion:	99	Resp:	133
Ion Ratio	Lower	Upper	
99	100		
42	81.0	14.5	21.7#
71	0.0	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

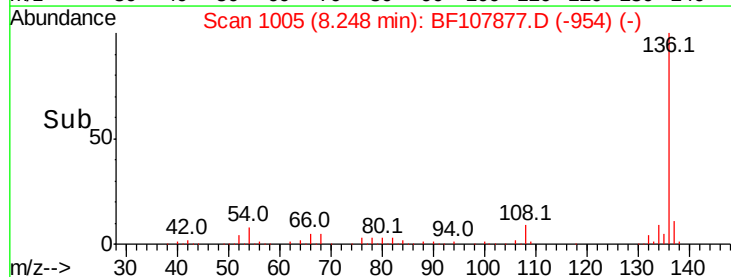
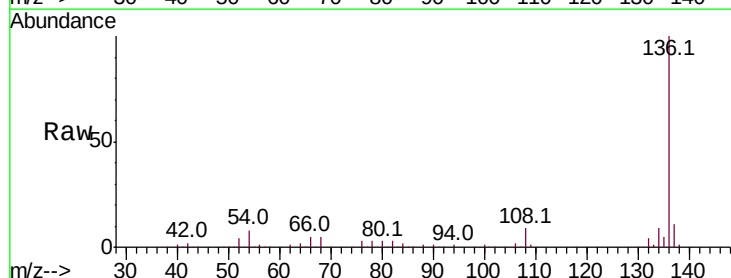
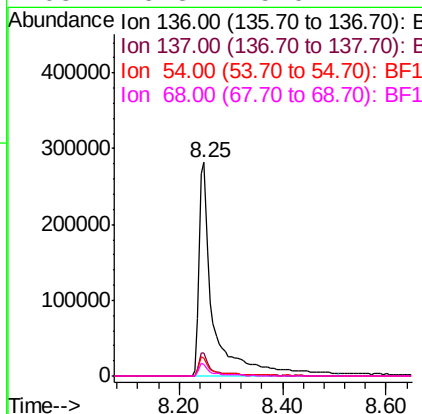
RT: 8.25 min Scan# 1005

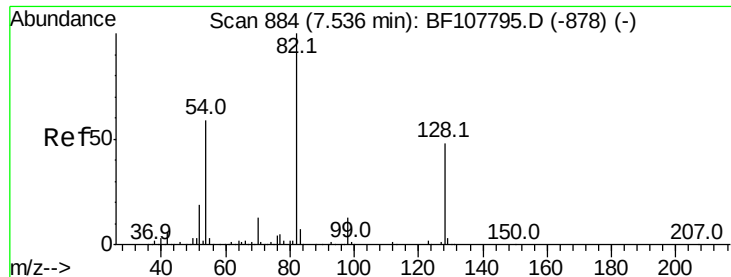
Delta R.T. -0.00 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Tgt Ion:	136	Resp:	538392
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.4	6.6	9.8
68	5.3	5.0	7.4





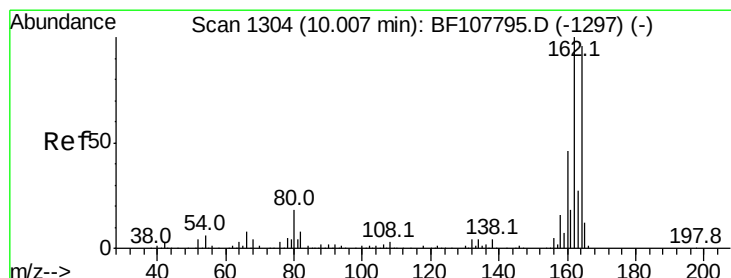
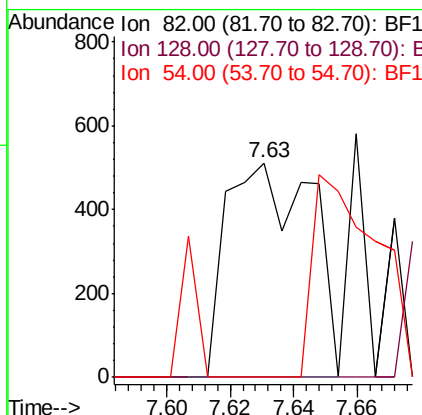
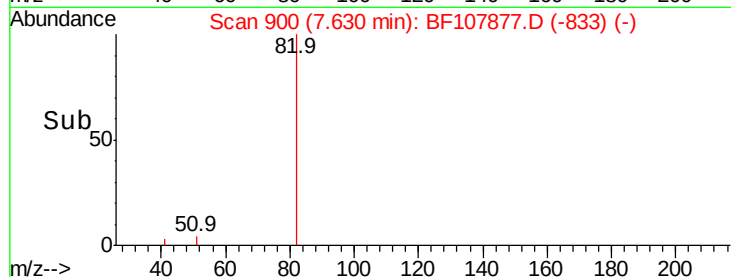
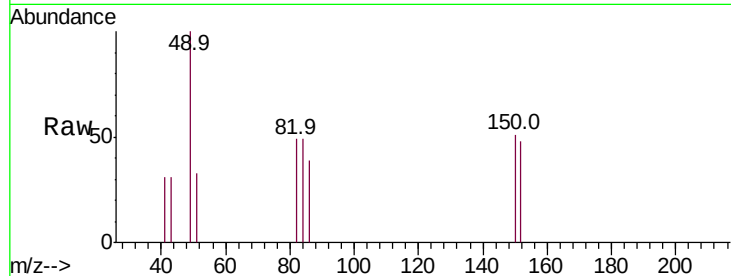
#23
Nitrobenzene-d5
Concen: 0.102 ng
RT: 7.63 min Scan# 900
Delta R.T. 0.09 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	0.0	41.4	62.2#

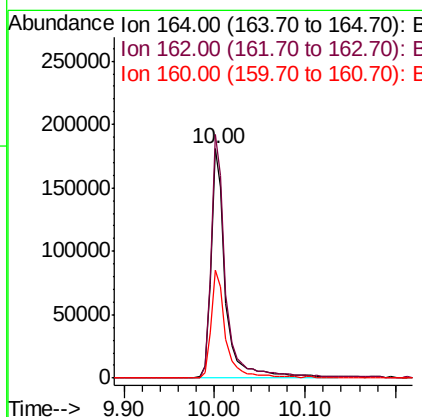
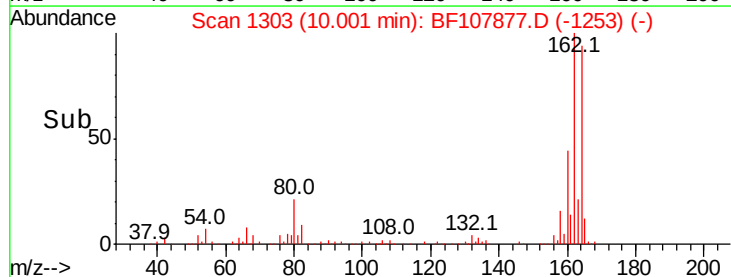
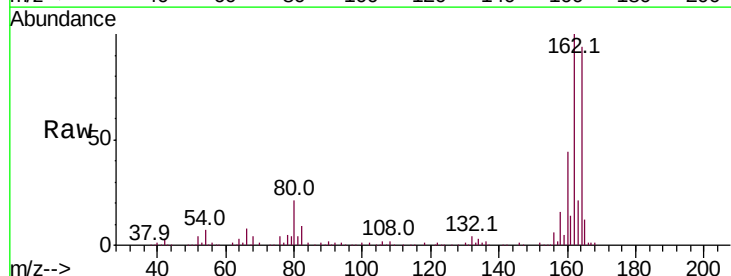
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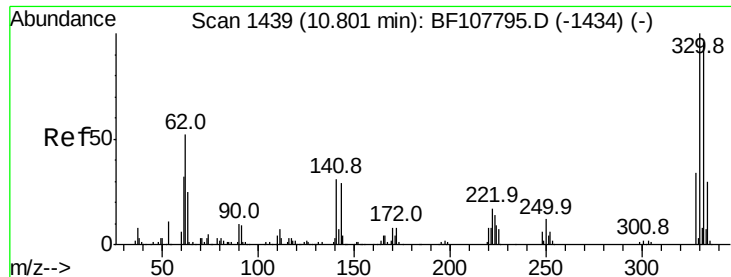
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	47.1	38.3	57.5





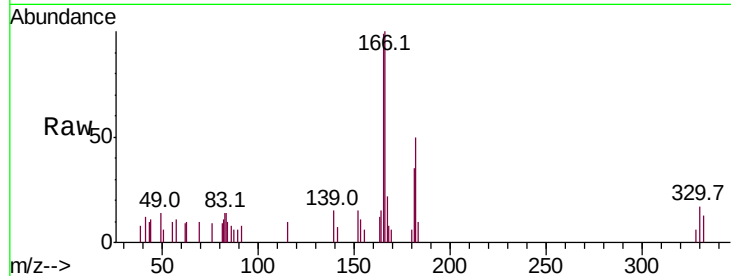
#41
 2,4,6-Tribromophenol
 Concen: 0.410 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF107877.D
 Acq: 1 Aug 2018 4:09

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	129.8	77.0	115.6#	
141	54.6	29.9	44.9#	

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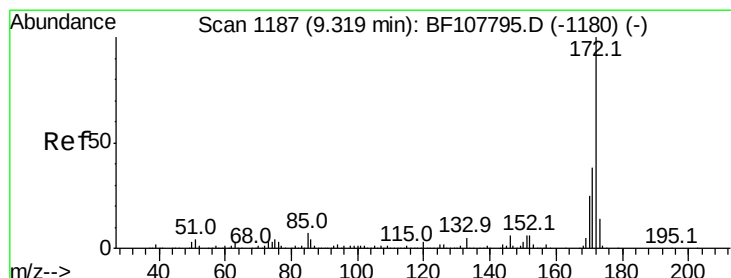
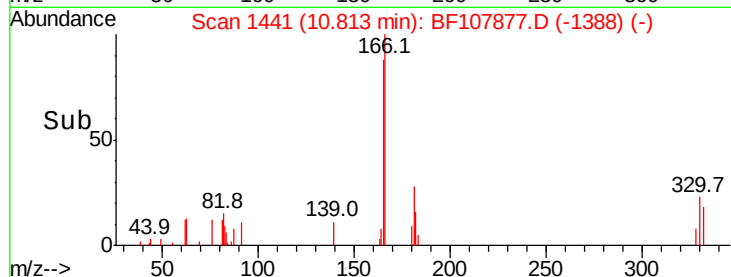
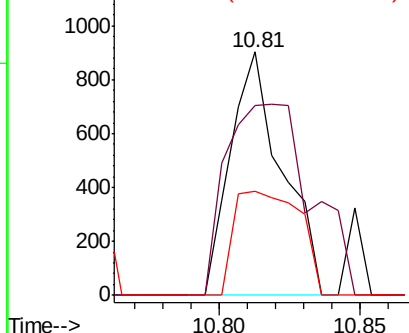


Abundance

Ion 329.80 (329.50 to 330.50): E

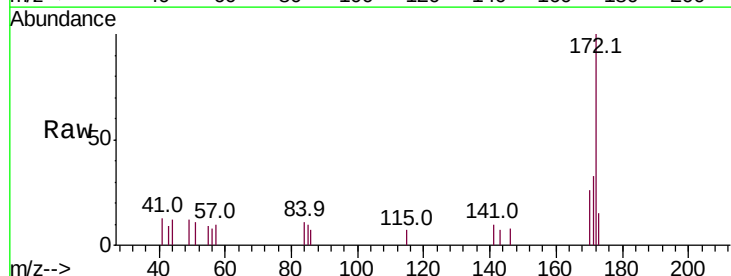
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 0.669 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BF107877.D
 Acq: 1 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.0	29.7	44.5	
170	25.8	19.6	29.4	

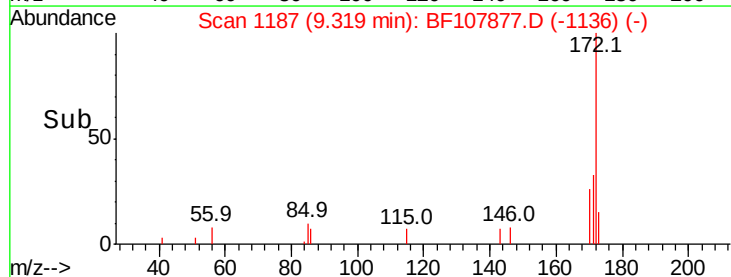
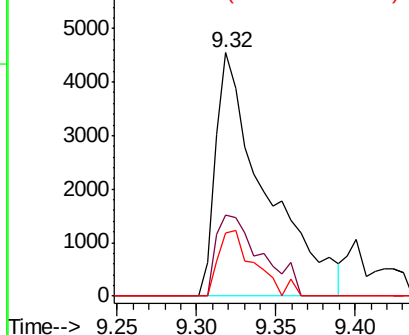


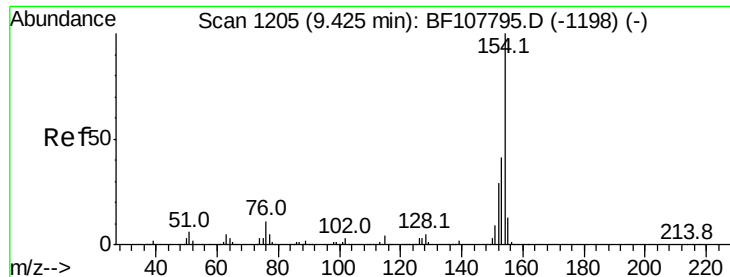
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





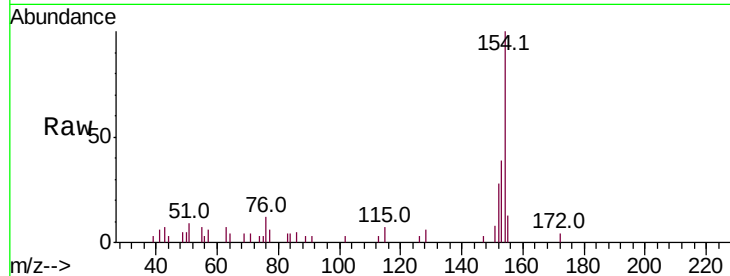
#45
 1,1'-Biphenyl
 Concen: 2.153 ng
 RT: 9.42 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF107877.D
 Acq: 1 Aug 2018 4:09

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	38.9	21.3	61.3	
76	11.8	0.0	34.0	

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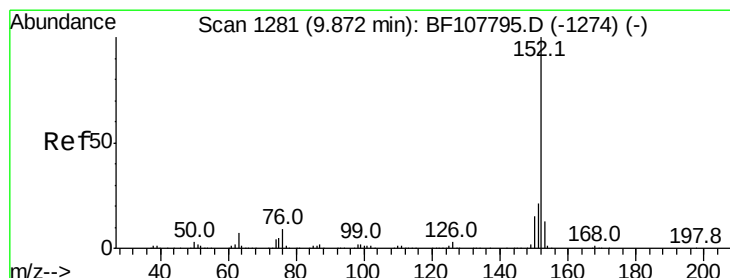
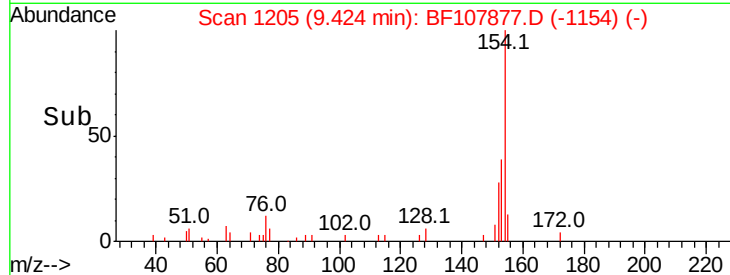
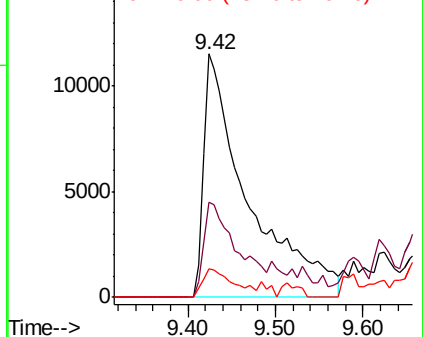


Abundance

Ion 154.00 (153.70 to 154.70): E

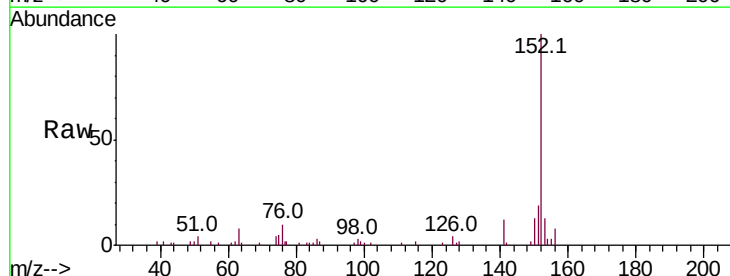
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#48
 Acenaphthylene
 Concen: 2.260 ng
 RT: 9.87 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: BF107877.D
 Acq: 1 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.0	16.3	24.5	
153	12.8	10.7	16.1	

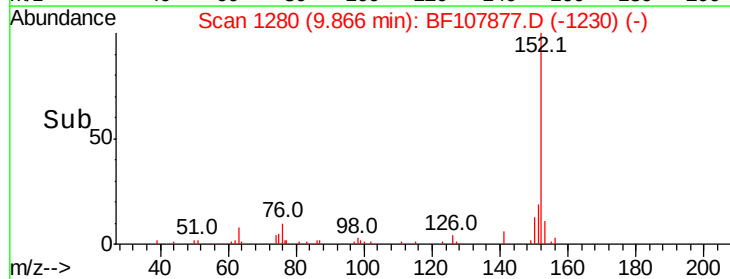
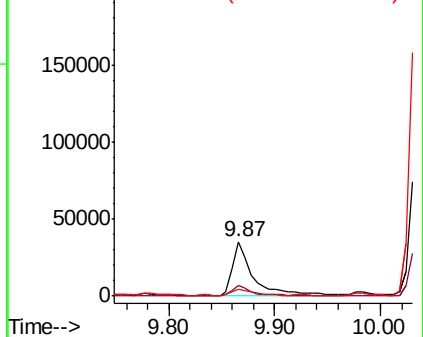


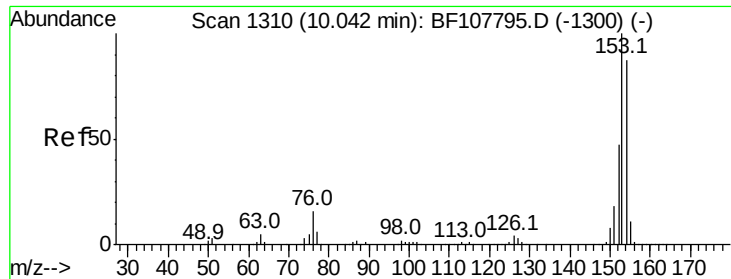
Abundance

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: 17.578 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Instrument :

BNA_F

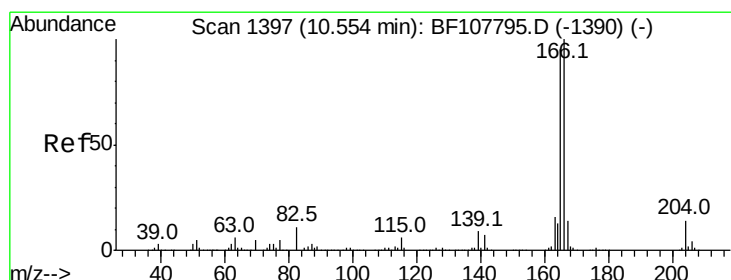
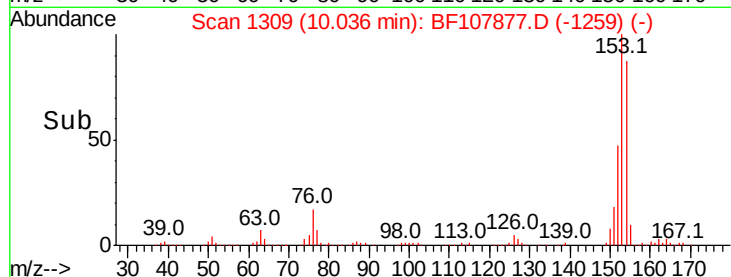
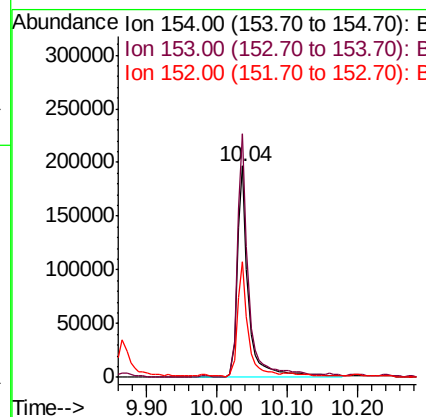
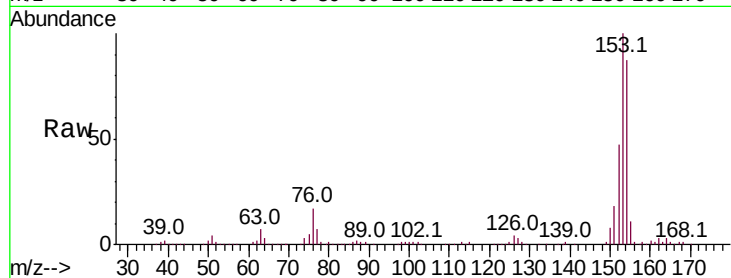
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion:	154	Resp:	222883
Ion Ratio	Lower	Upper	
154	100		
153	115.2	91.2	136.8
152	54.5	43.8	65.8

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#57

Fluorene

Concen: 8.390 ng

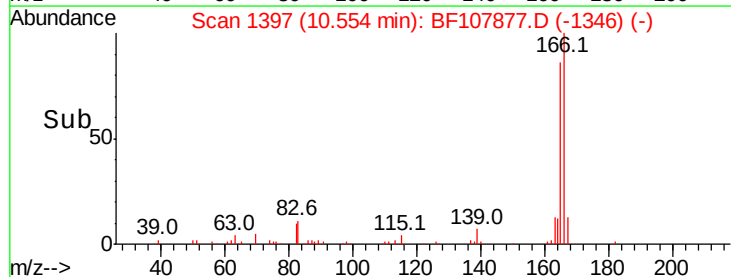
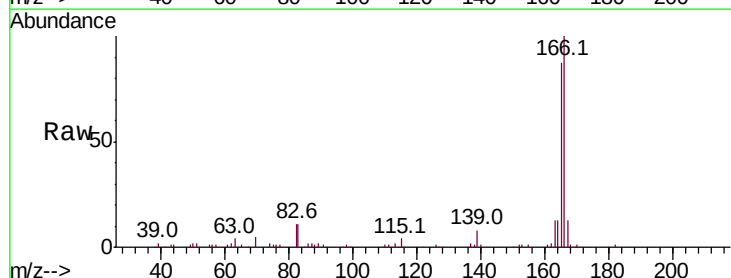
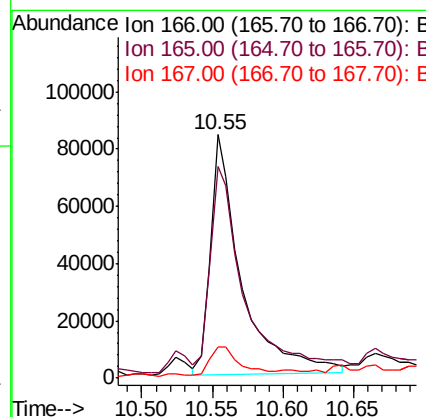
RT: 10.55 min Scan# 1397

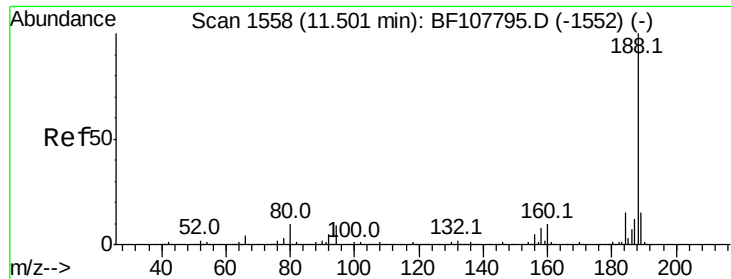
Delta R.T. -0.00 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Tgt Ion:	166	Resp:	127789
Ion Ratio	Lower	Upper	
166	100		
165	87.0	79.8	119.8
167	12.8	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Instrument :

BNA_F

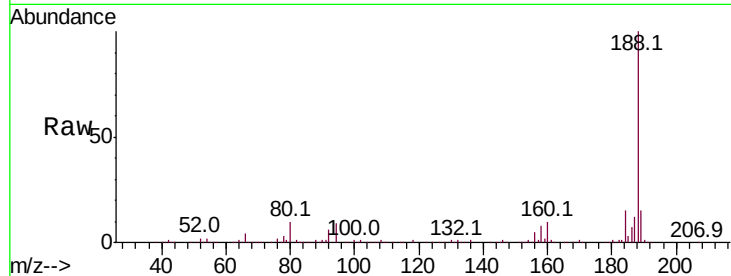
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion:	188	Resp:	403988
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.5	12.7
80	10.1	9.2	13.8

Manual Integrations
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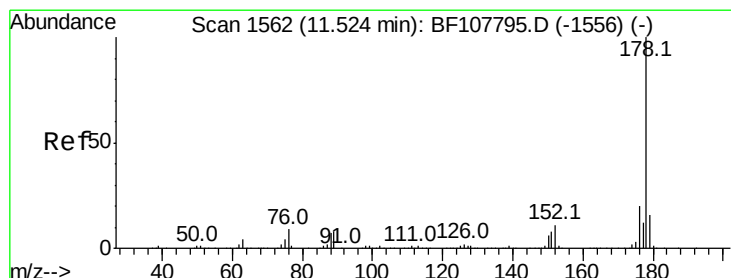
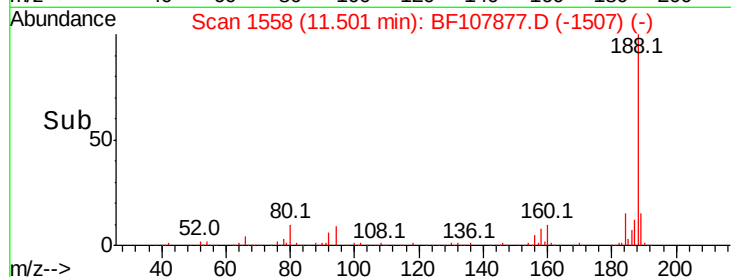
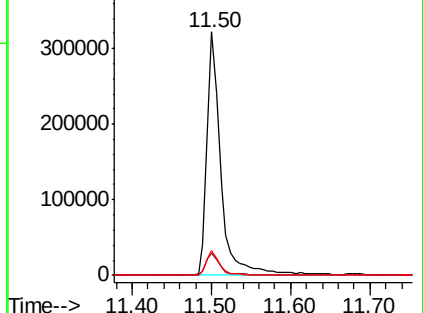
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 56.089 ng

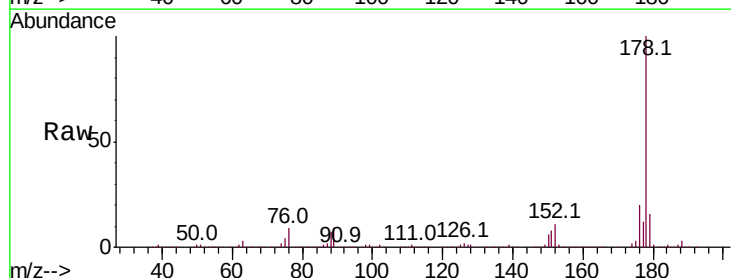
RT: 11.52 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

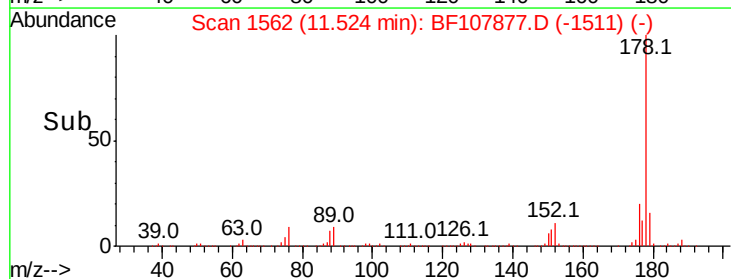
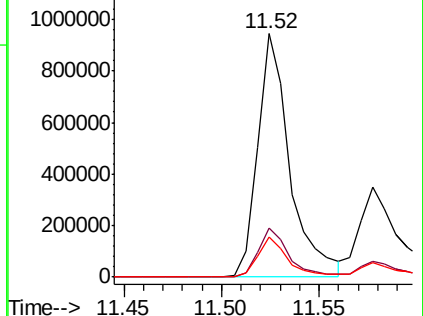
Tgt Ion:	178	Resp:	1075932
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.8	23.8
179	16.3	13.0	19.6

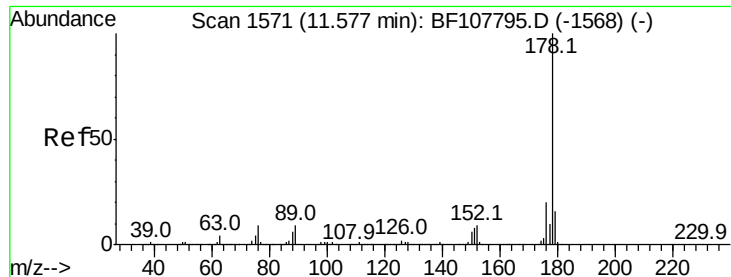


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 26.798 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Instrument :

BNA_F

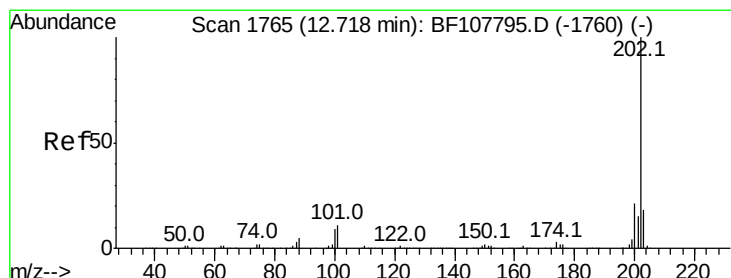
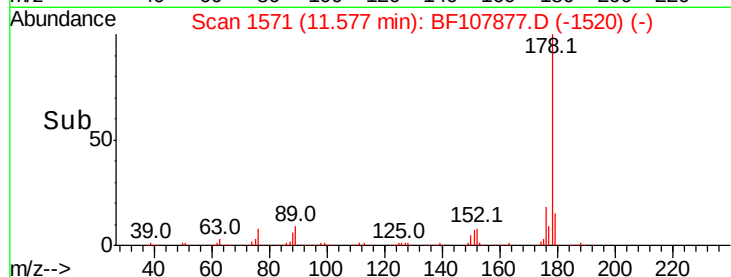
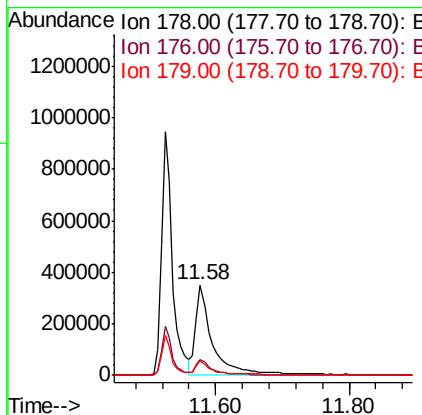
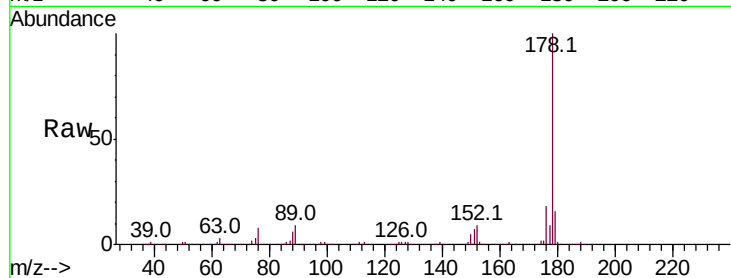
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Resp	Lower	Upper
178	100	592917		
176	17.9	15.4	23.2	
179	15.7	12.6	19.0	

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#74

Fluoranthene

Concen: 36.151 ng

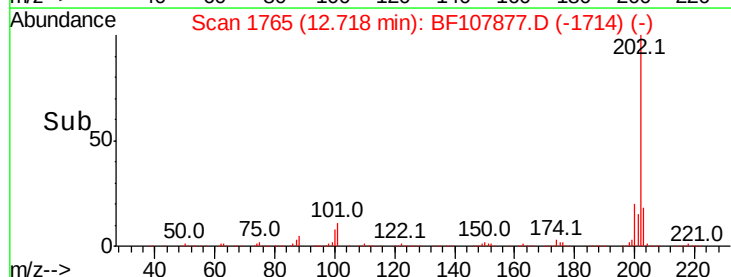
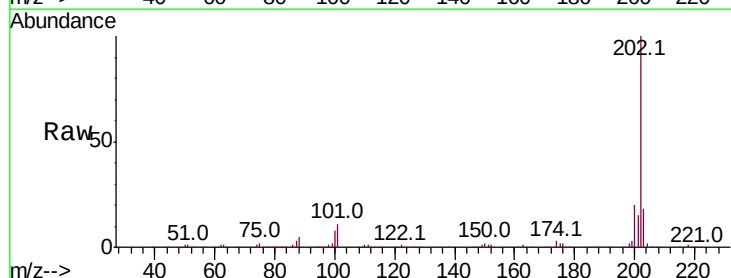
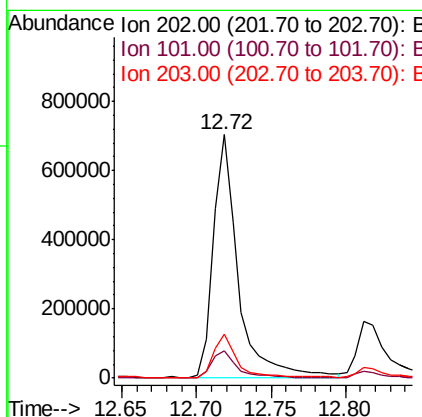
RT: 12.72 min Scan# 1765

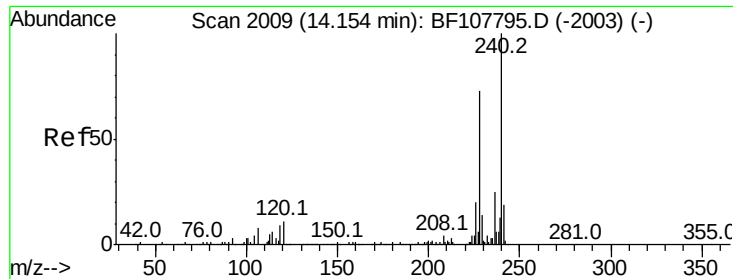
Delta R.T. -0.00 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	814679		
101	11.4	0.0	34.1	
203	18.1	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Instrument :

BNA_F

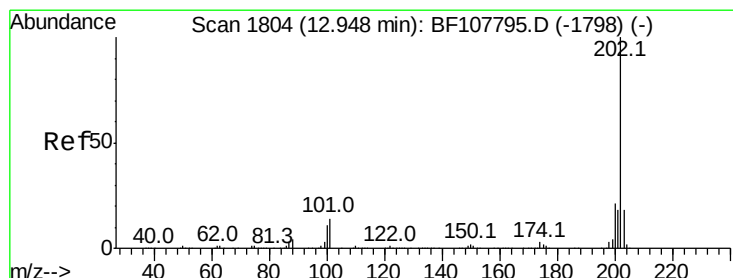
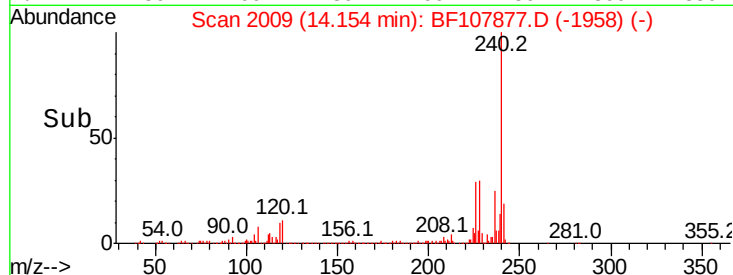
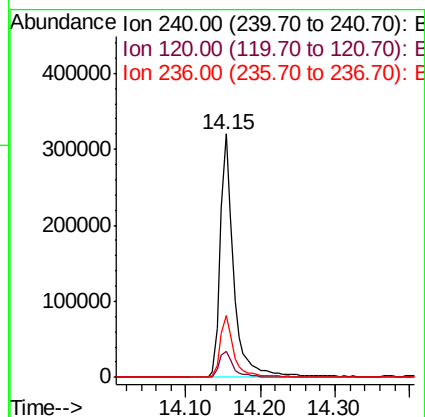
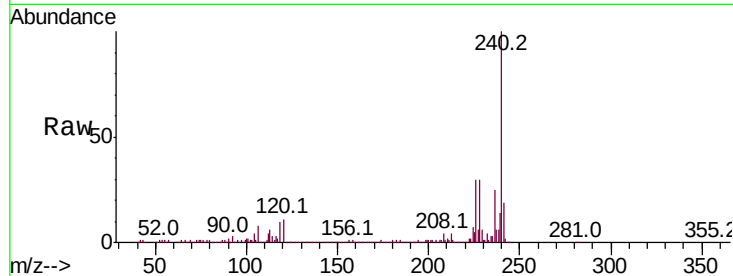
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion:	240	Resp:	400653
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.2	20.7	31.1

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#77

Pyrene

Concen: 37.715 ng

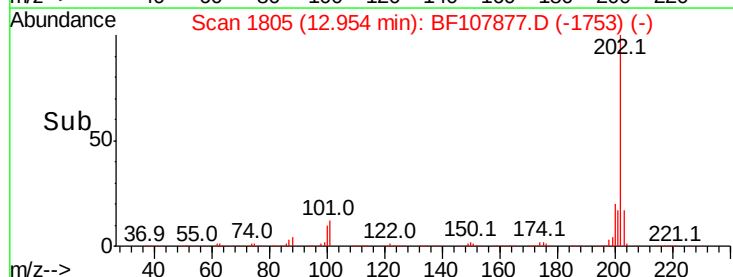
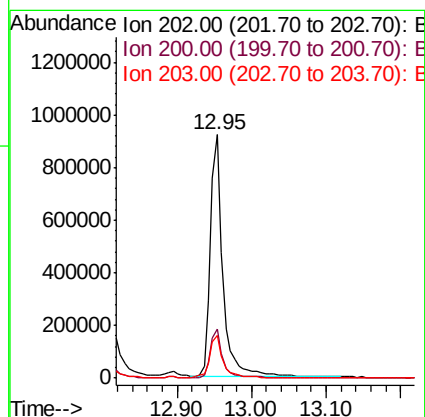
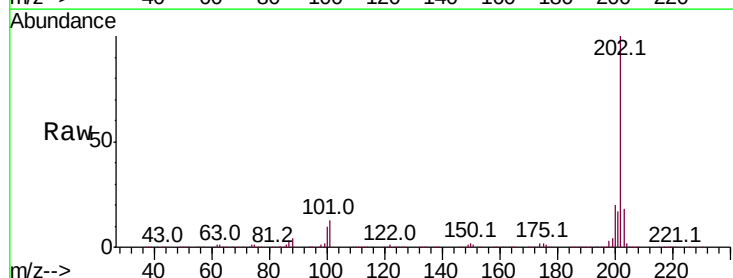
RT: 12.95 min Scan# 1805

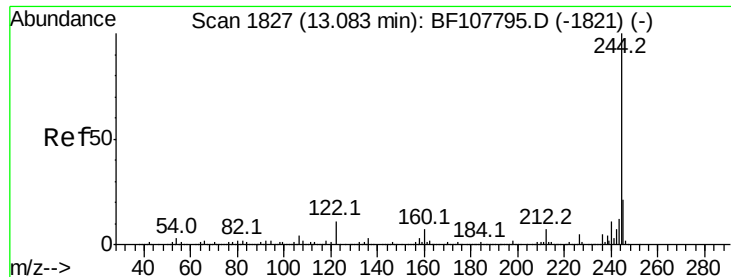
Delta R.T. 0.01 min

Lab File: BF107877.D

Acq: 1 Aug 2018 4:09

Tgt Ion:	202	Resp:	1088077
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.4	26.2
203	17.6	14.3	21.5





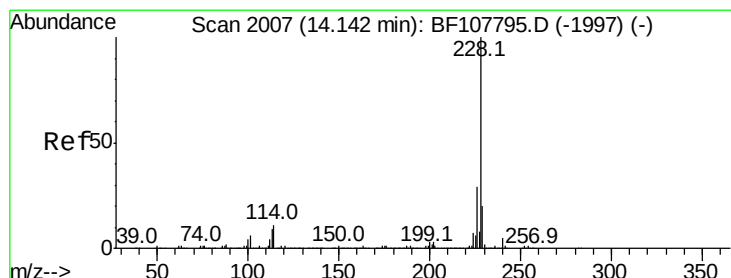
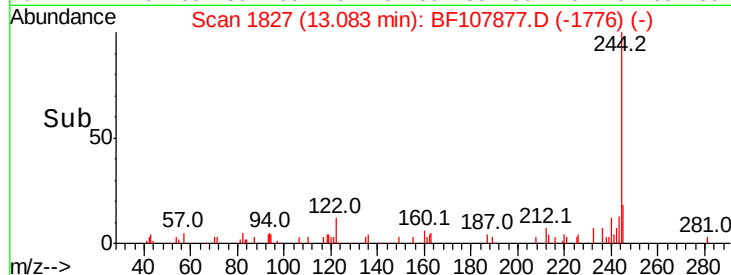
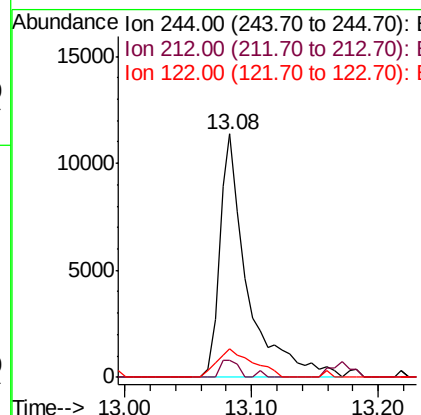
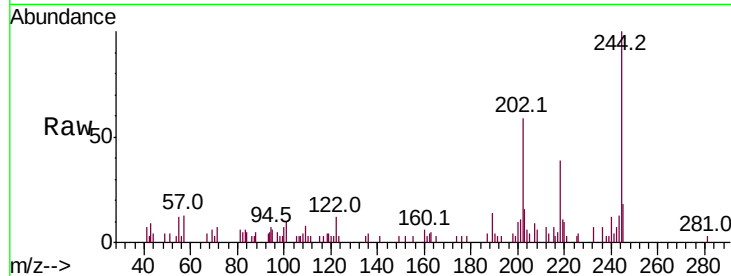
#78
 Terphenyl-d14
 Concen: 0.936 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF107877.D
 Acq: 1 Aug 2018 4:09

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.8	5.4	8.0	
122	11.8	11.0	16.4	

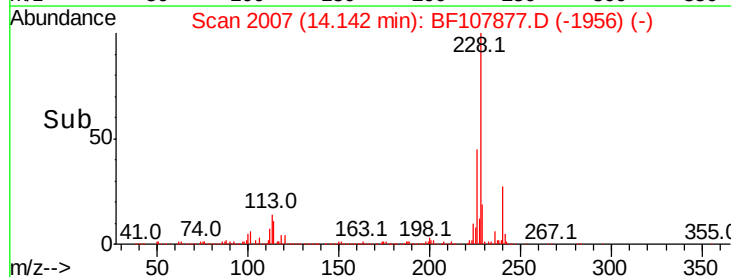
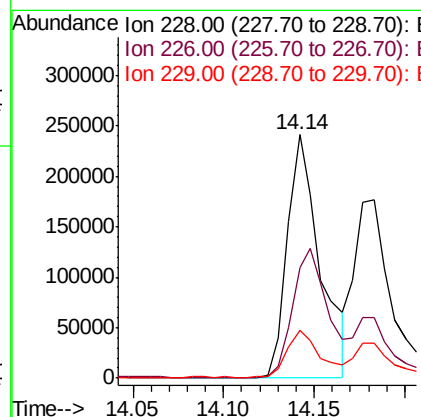
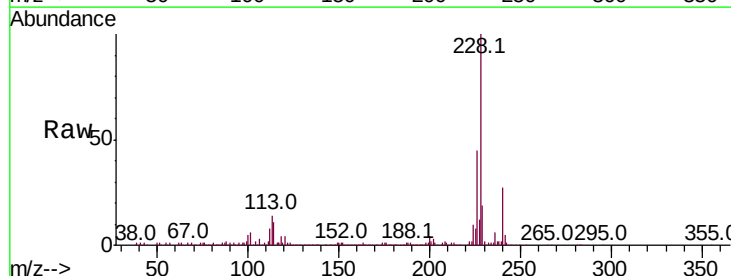
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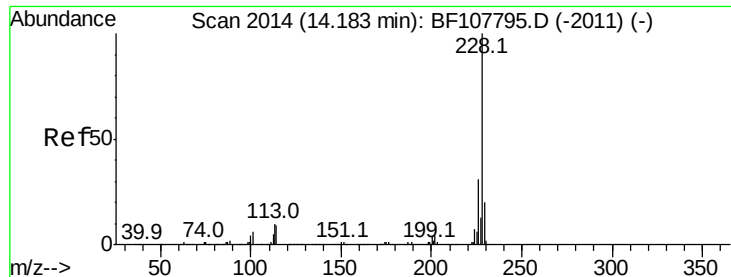
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#80
 Benzo(a)anthracene
 Concen: 13.305 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: BF107877.D
 Acq: 1 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	45.3	22.6	33.8#	
229	19.4	15.8	23.6	





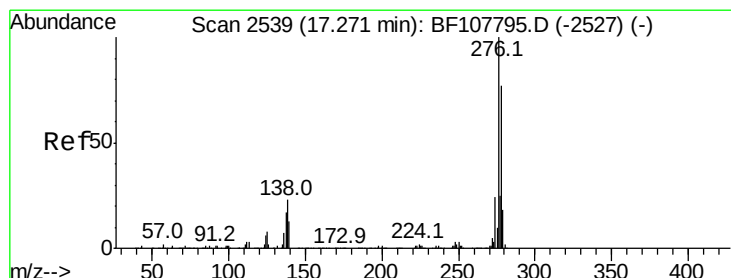
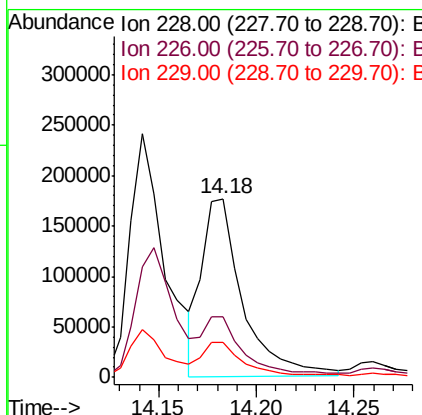
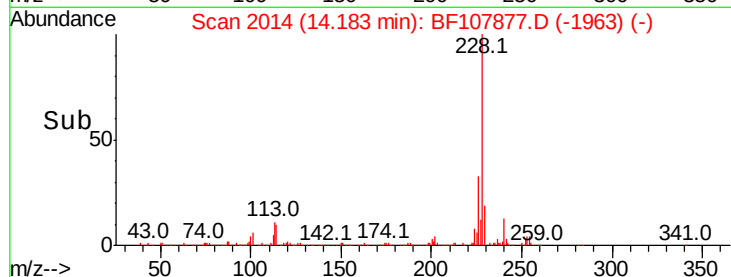
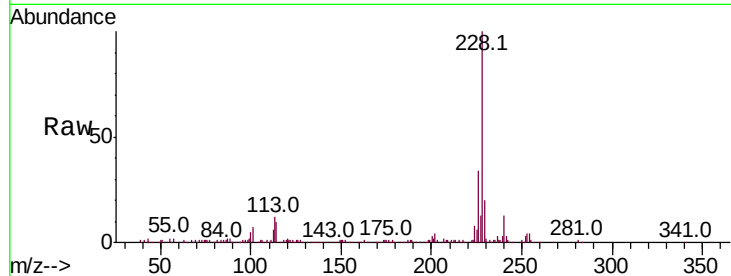
#82
Chrysene
Concen: 10.548 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	258199		
226	33.9	25.0	37.6	
229	19.8	16.2	24.4	

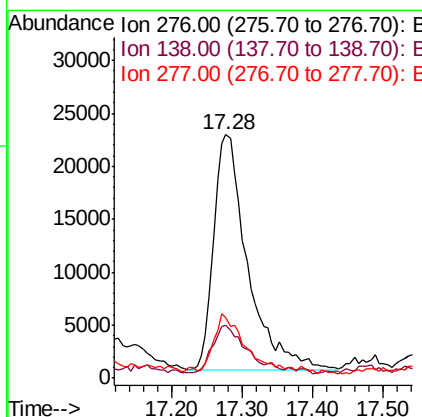
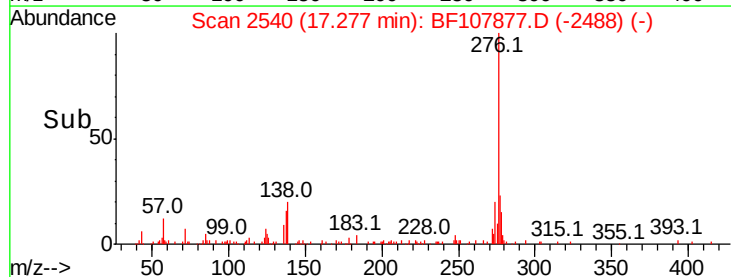
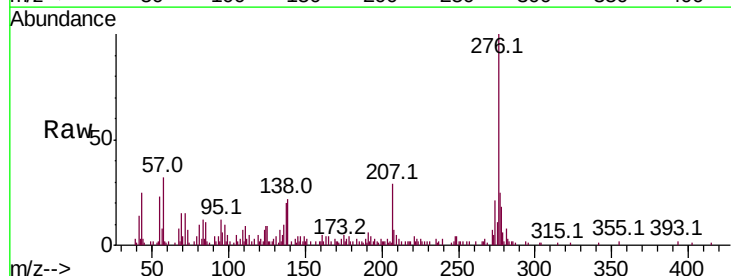
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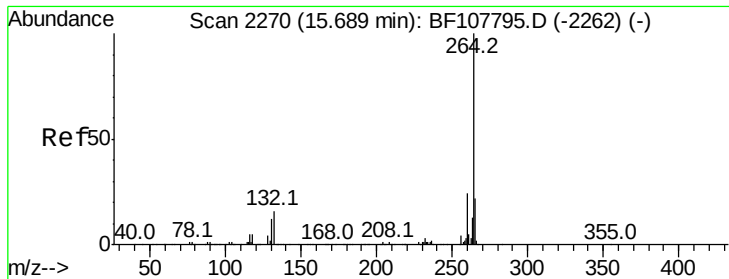
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.032 ng
RT: 17.28 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	75081		
138	20.4	25.0	37.6#	
277	21.5	20.1	30.1	





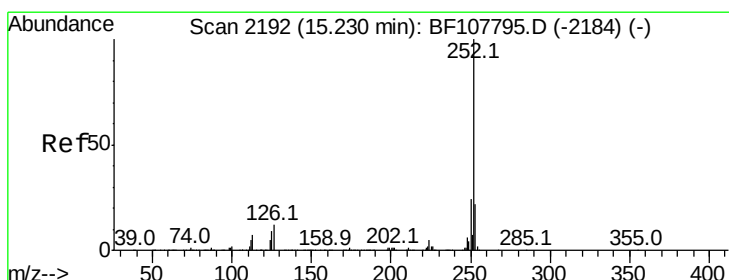
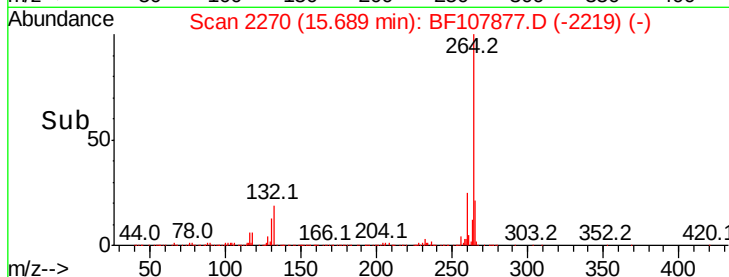
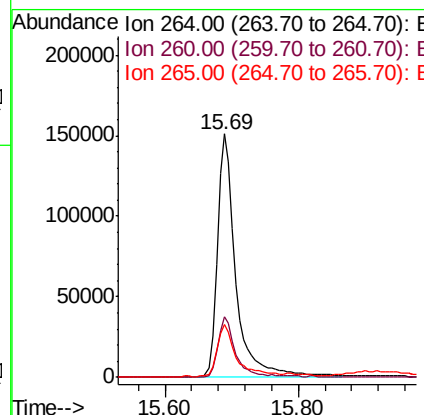
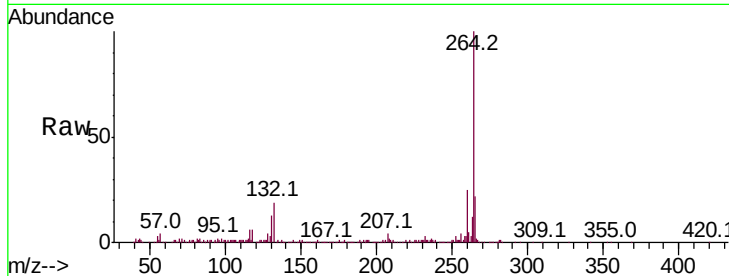
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Resp	Lower	Upper
264	100	295257		
260	24.8	19.2	28.8	
265	21.7	17.5	26.3	

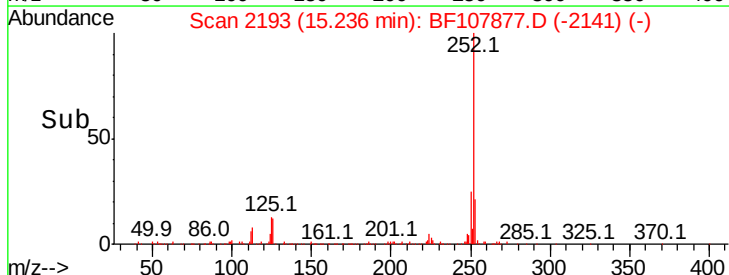
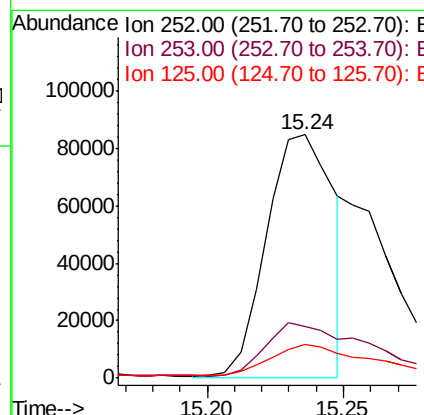
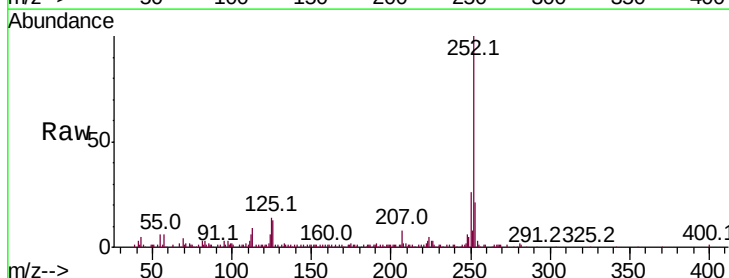
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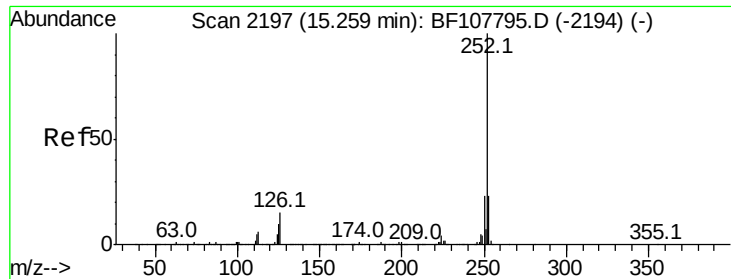
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#87
Benzo(b)fluoranthene
Concen: 9.961 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	145051		
253	21.2	17.0	25.6	
125	13.9	9.0	13.6	





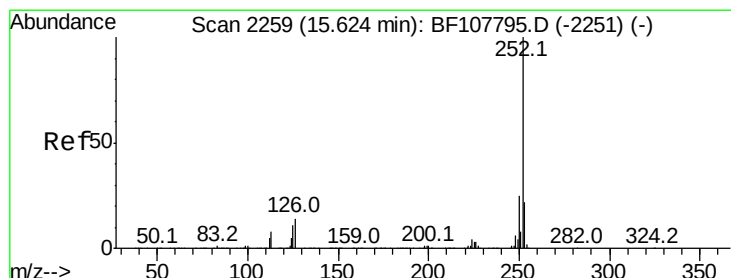
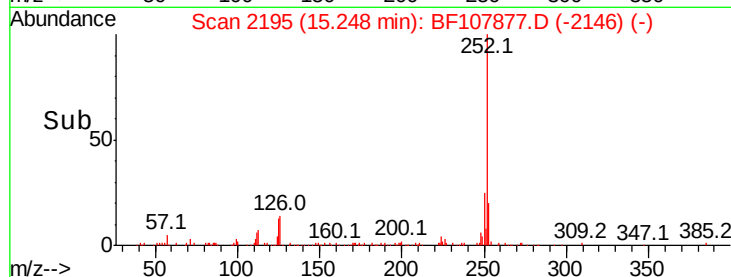
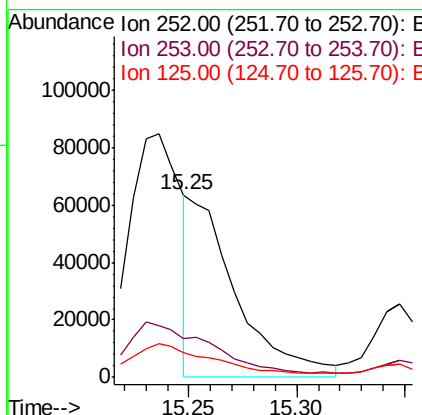
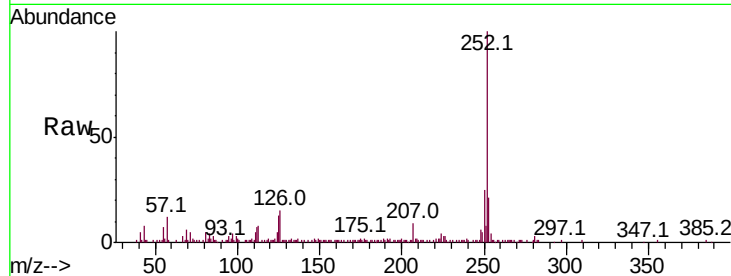
#88
Benzo(k)fluoranthene
Concen: 5.210 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion:	252	Resp:	93145
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.9	26.9
125	13.4	10.2	15.2

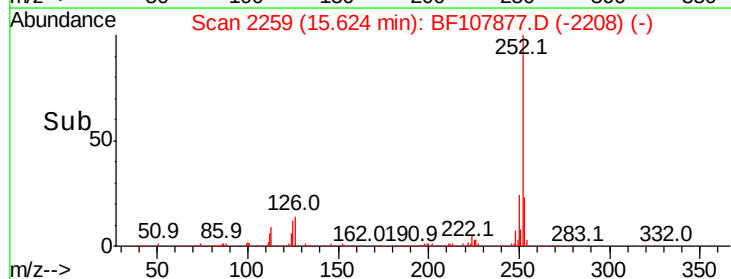
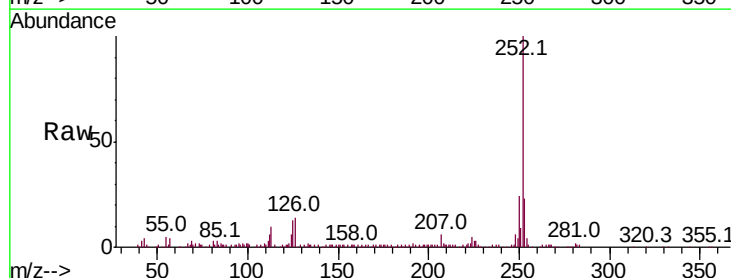
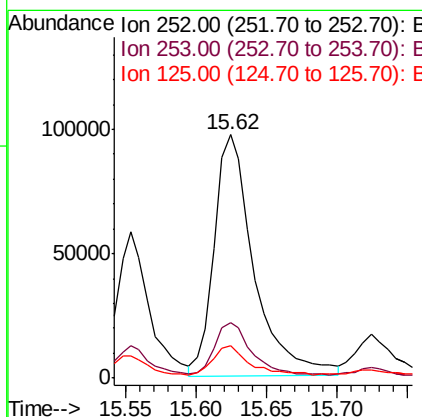
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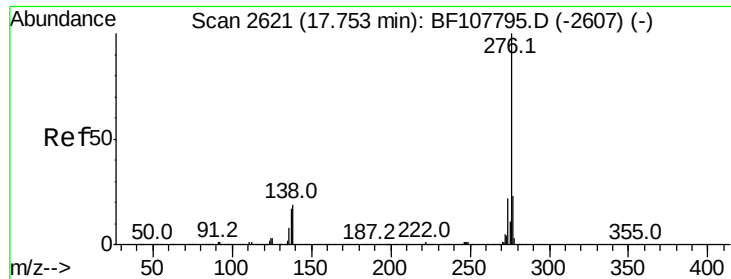
Sohil
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#89
Benzo(a)pyrene
Concen: 12.714 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BF107877.D
Acq: 1 Aug 2018 4:09

Tgt Ion:	252	Resp:	191124
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	13.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.233 ng
 RT: 17.76 min Scan# 2622
 Delta R.T. 0.01 min
 Lab File: BF107877.D
 Acq: 1 Aug 2018 4:09

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-5DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	19.9	21.8	32.8

Manual Integrations
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