

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107878.D
 Acq On : 1 Aug 2018 4:36
 Operator : JU/SJ
 Sample : J4231-11DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-6DL

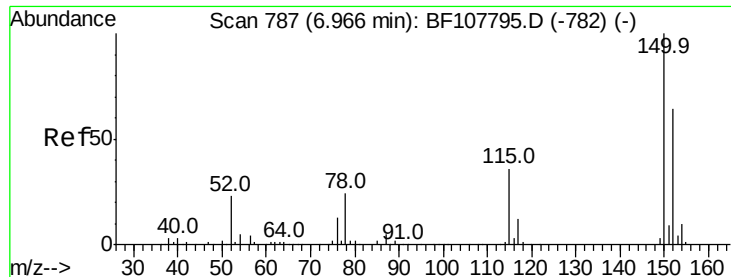
Manual Integrations
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Sohil
 8/1/2018 3:57:44 PM

Quant Time: Aug 01 06:44:40 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	107845	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	525061	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	192004	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	377028	20.00	ng	0.00
75) Chrysene-d12	14.15	240	352148	20.00	ng	0.00
86) Perylene-d12	15.69	264	267542	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	8363	1.32	ng	0.04
7) Phenol-d6	6.64	99	69211m	8.28	ng	0.04
23) Nitrobenzene-d5	7.57	82	21888	2.40	ng	0.04
41) 2,4,6-Tribromophenol	10.81	330	18775	7.20	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	114978	8.34	ng	0.00
78) Terphenyl-d14	13.08	244	128517	7.91	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	337931	13.846	ng	98
37) 2-Methylnaphthalene	8.96	142	58919	3.843	ng	99
45) 1,1'-Biphenyl	9.42	154	56155	3.214	ng	98
48) Acenaphthylene	9.87	152	55563	2.720	ng	# 97
51) Acenaphthene	10.04	154	245189	20.662	ng	99
57) Fluorene	10.55	166	126898	8.903	ng	94
70) Phenanthrene	11.52	178	827176	46.205	ng	99
71) Anthracene	11.58	178	406137	19.668	ng	98
74) Fluoranthene	12.72	202	659834	31.373	ng	97
77) Pyrene	12.95	202	914177	36.051	ng	98
80) Benzo(a)anthracene	14.14	228	322654m	16.175	ng	
82) Chrysene	14.18	228	245072	11.390	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	68627m	4.193	ng	
87) Benzo(b)fluoranthene	15.24	252	152773m	11.578	ng	
88) Benzo(k)fluoranthene	15.25	252	91910m	5.673	ng	
89) Benzo(a)pyrene	15.62	252	188873	13.865	ng	96
91) Benzo(a,h,i)perylene	17.76	276	74602	6.489	ng	# 95

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



#1

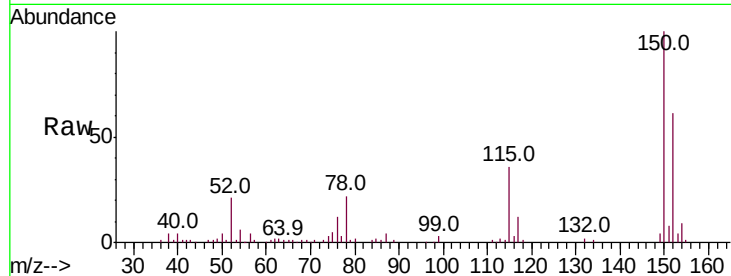
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	124.6	186.8
115	59.2	50.1	75.1

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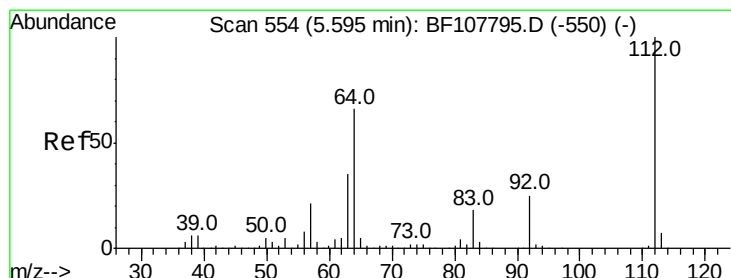
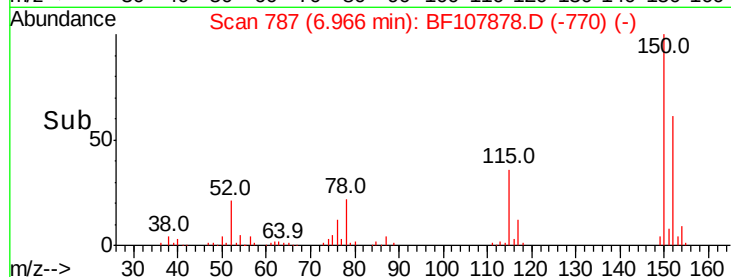
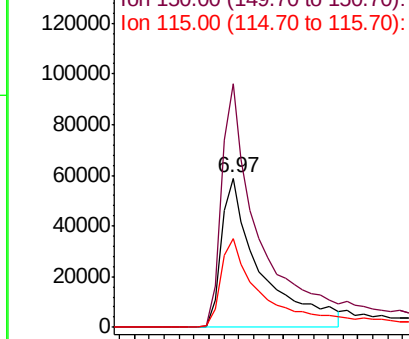


Abundance

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



#5

2-Fluorophenol
Concen: 1.318 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.04 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

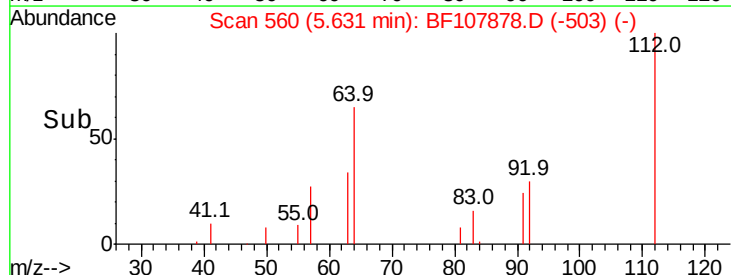
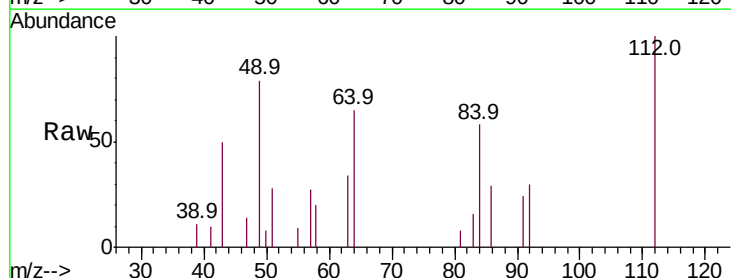
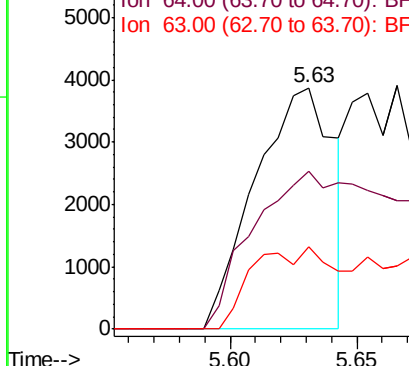
Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	34.2	23.7	35.5

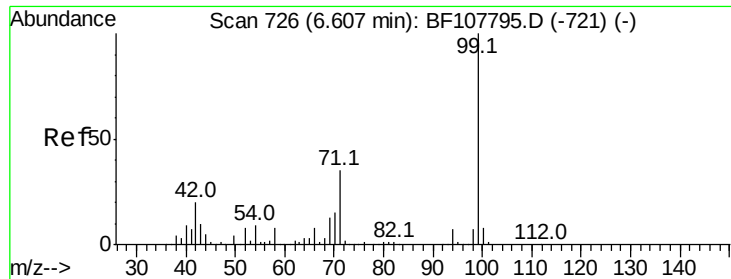
Abundance

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





#7

Phenol-d6

Concen: 8.276 ng/mL

RT: 6.64 min Scan# 732

Delta R.T. 0.04 min

Lab File: BF107878.D

Acq: 1 Aug 2018 4:36

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion: 99 Resp: 69211

Ion Ratio Lower Upper

99 100

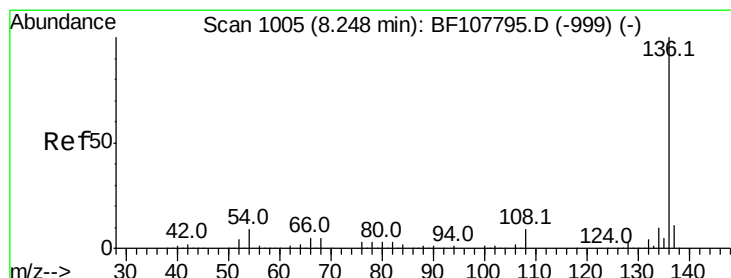
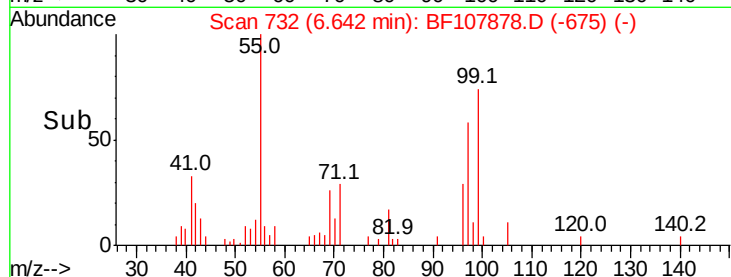
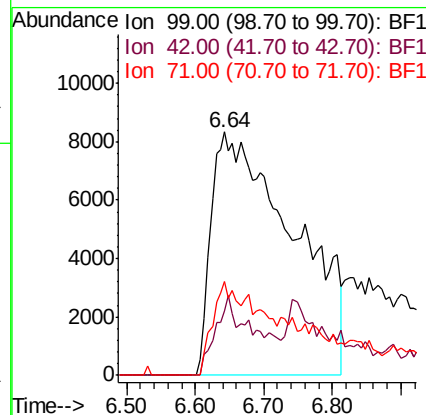
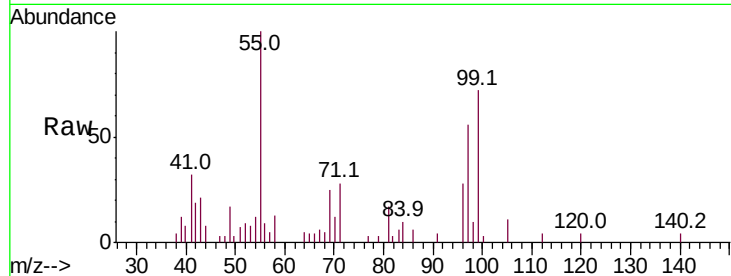
42 26.7 14.5 21.7#

71 38.8 25.4 38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107878.D

Acq: 1 Aug 2018 4:36

Tgt Ion: 136 Resp: 525061

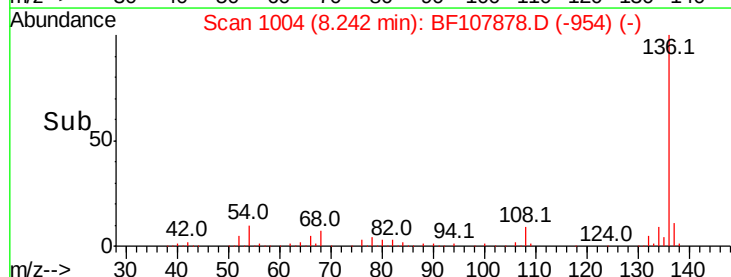
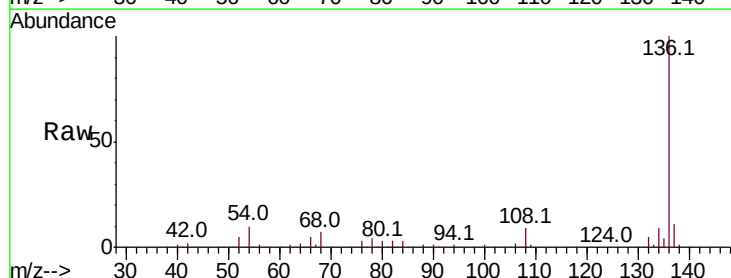
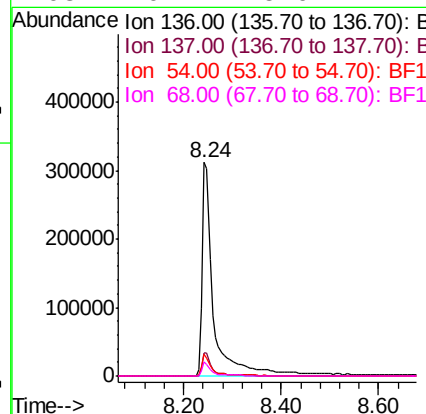
Ion Ratio Lower Upper

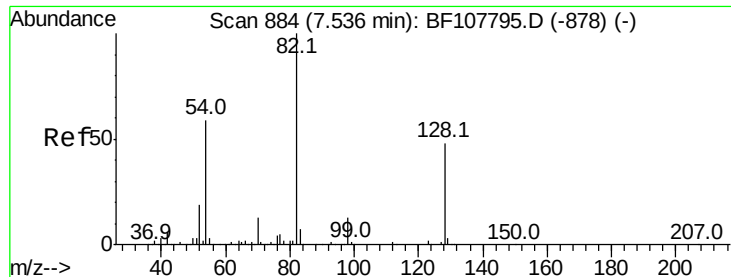
136 100

137 10.7 8.9 13.3

54 10.2 6.6 9.8#

68 6.7 5.0 7.4





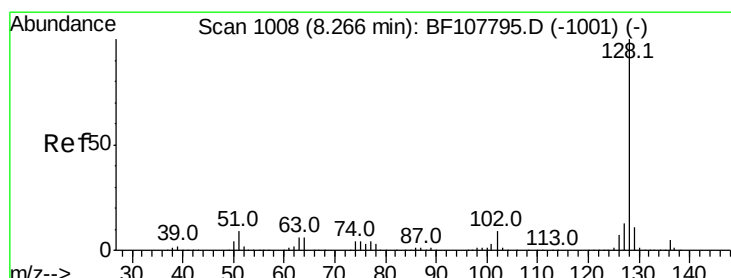
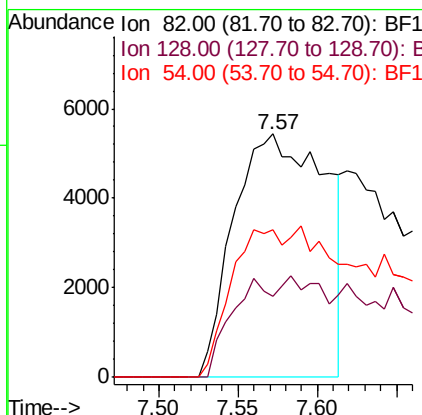
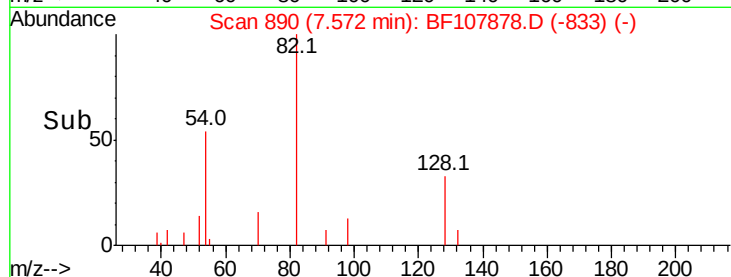
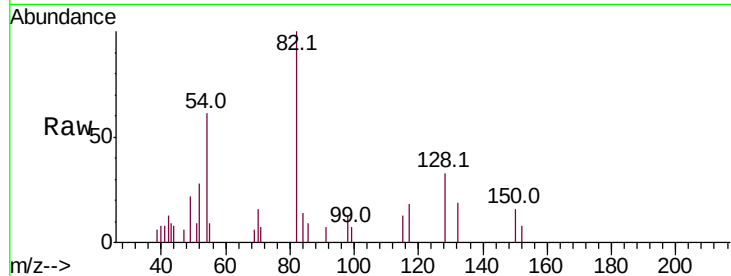
#23
Nitrobenzene-d5
Concen: 2.402 ng
RT: 7.57 min Scan# 890
Delta R.T. 0.04 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.3	36.1	54.1#
54	60.8	41.4	62.2

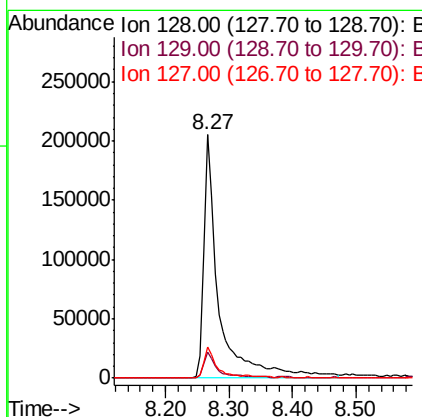
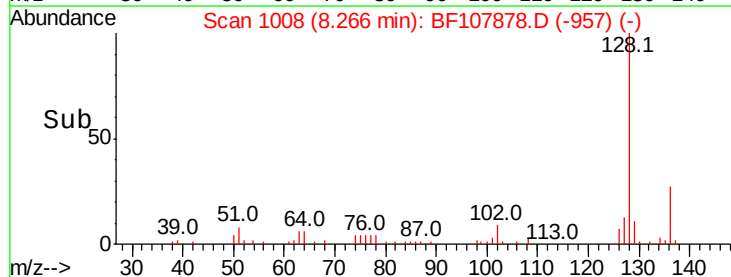
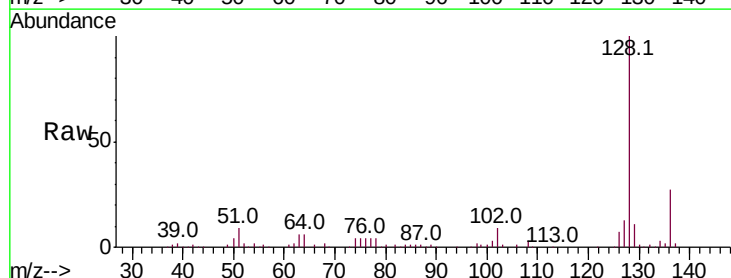
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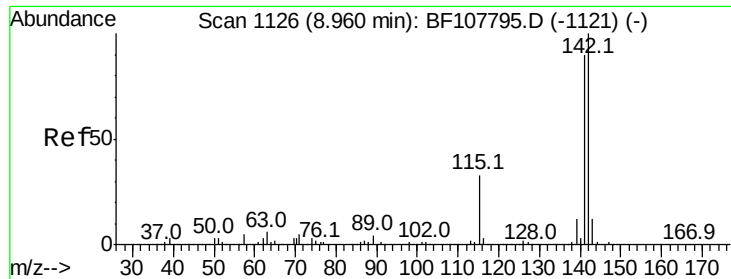
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#31
Naphthalene
Concen: 13.846 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.9	16.3





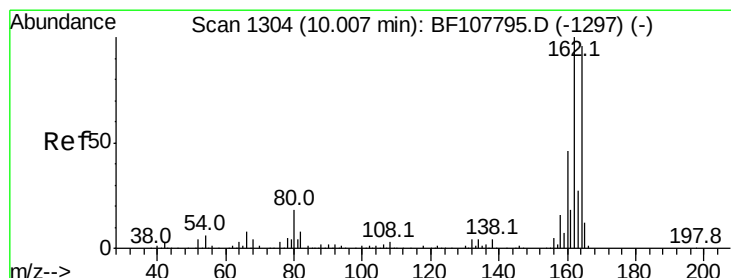
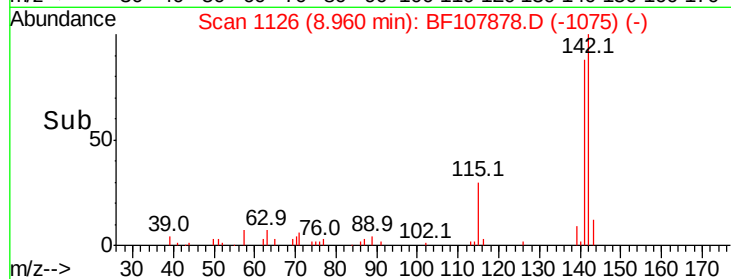
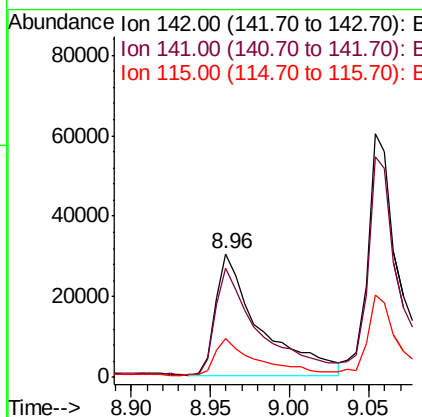
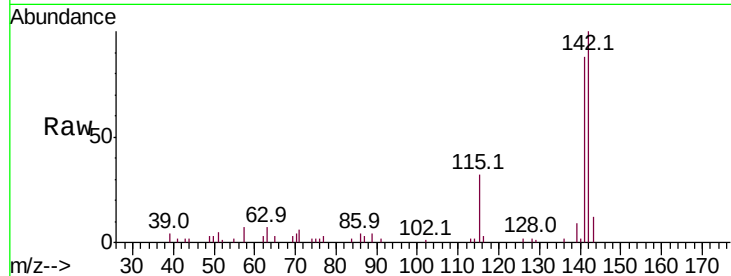
#37
2-Methylnaphthalene
Concen: 3.843 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	58919		
141	87.7		70.8	106.2
115	31.8		26.1	39.1

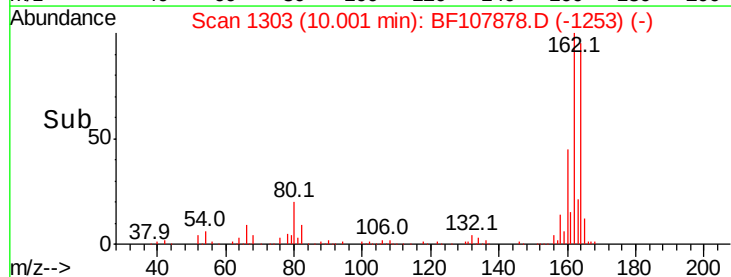
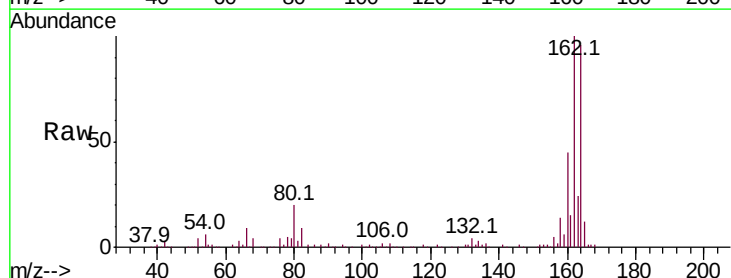
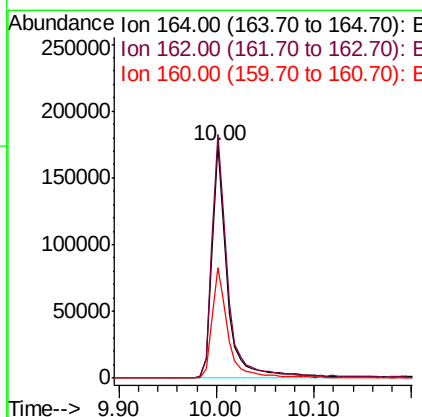
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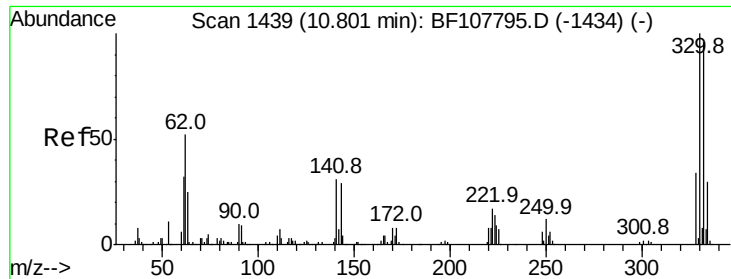
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	192004		
162	104.4		86.1	129.1
160	47.4		38.3	57.5





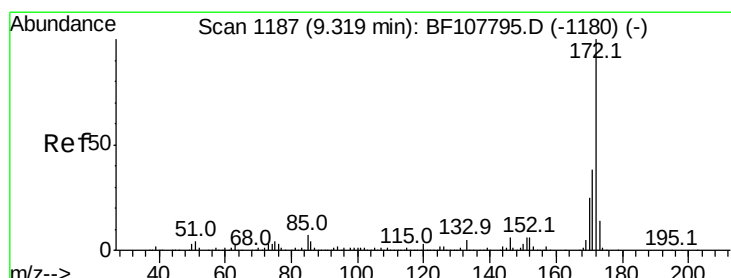
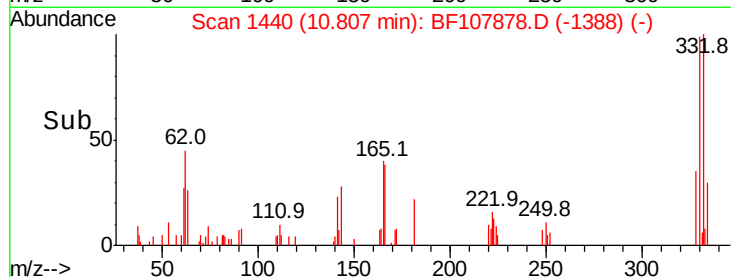
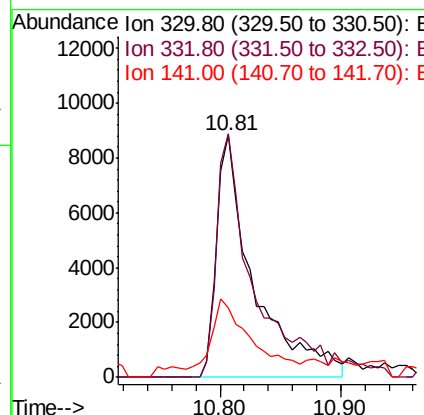
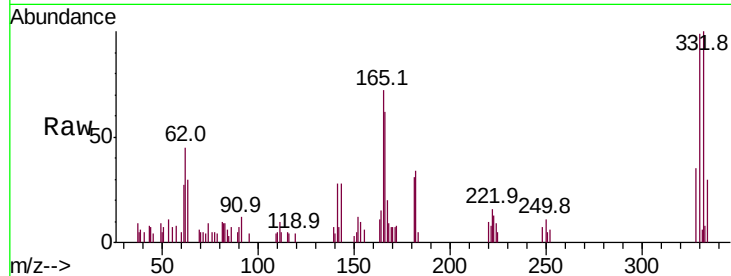
#41
 2,4,6-Tribromophenol
 Concen: 7.196 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF107878.D
 Acq: 1 Aug 2018 4:36

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	106.0	77.0	115.6	
141	27.6	29.9	44.9	

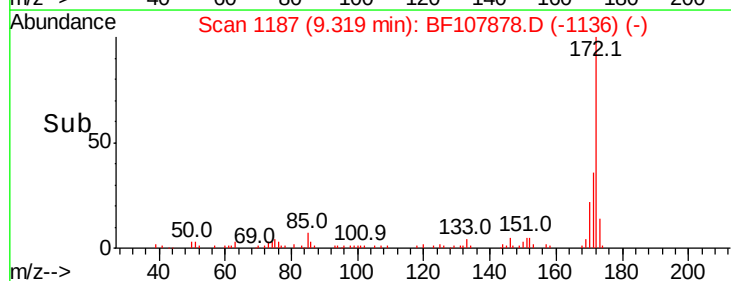
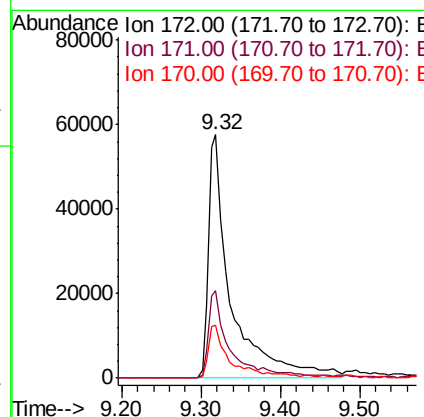
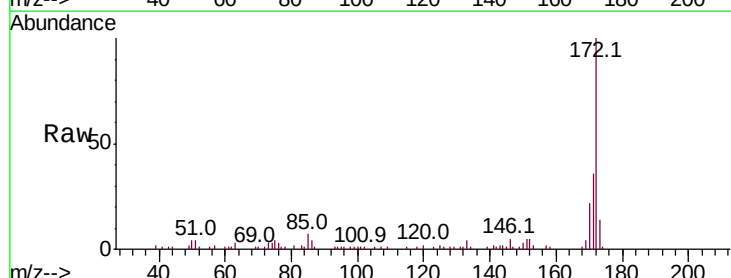
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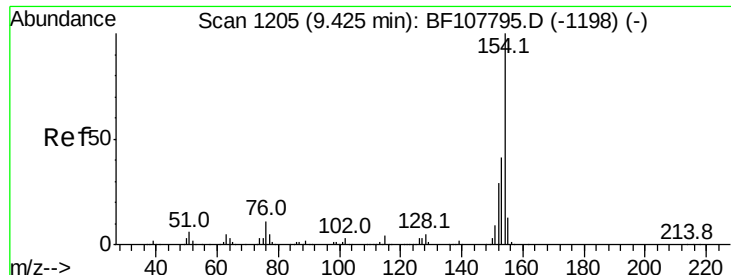
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 8.345 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107878.D
 Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.7	44.5	
170	21.5	19.6	29.4	





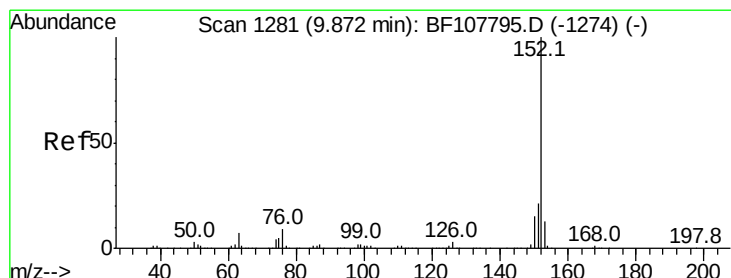
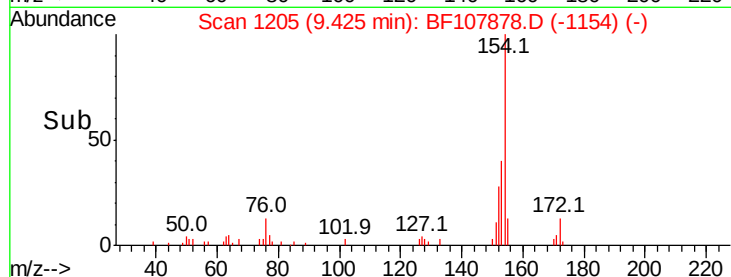
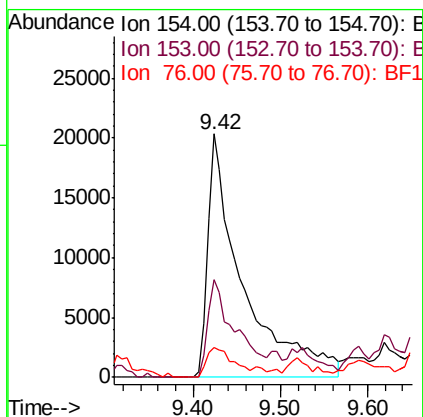
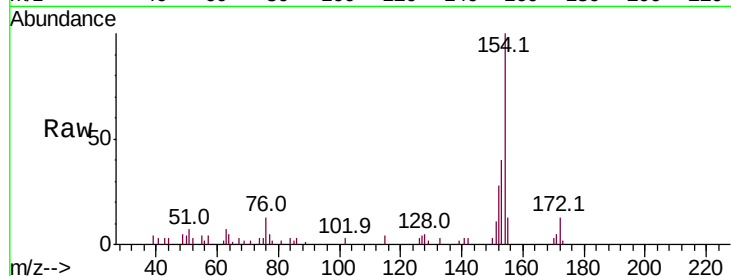
#45
1,1'-Biphenyl
Concen: 3.214 ng
RT: 9.42 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.1	21.3	61.3	
76	12.5	0.0	34.0	

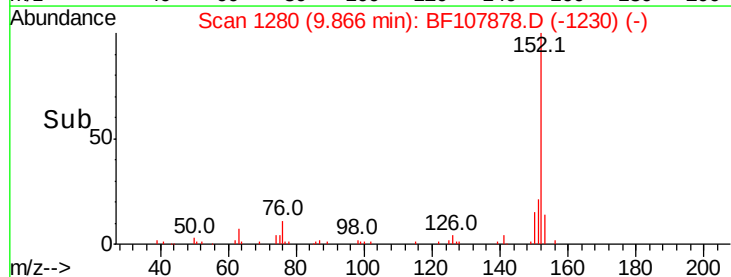
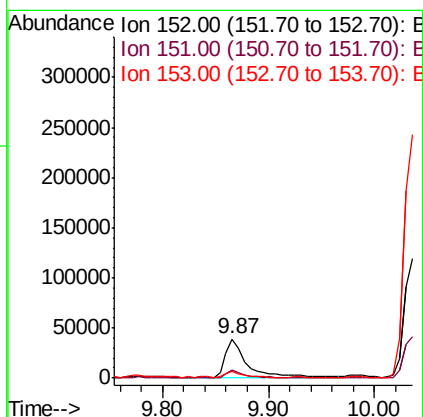
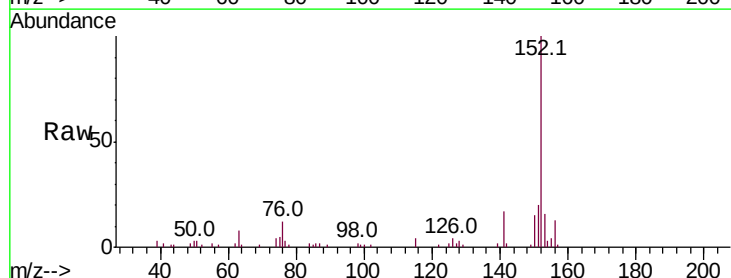
Manual Integrations
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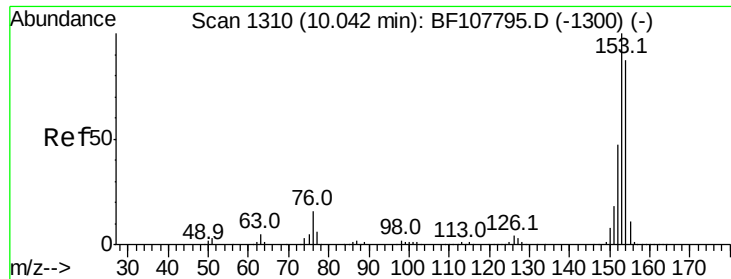
Sohil
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#48
Acenaphthylene
Concen: 2.720 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.5	16.3	24.5	
153	16.4	10.7	16.1#	





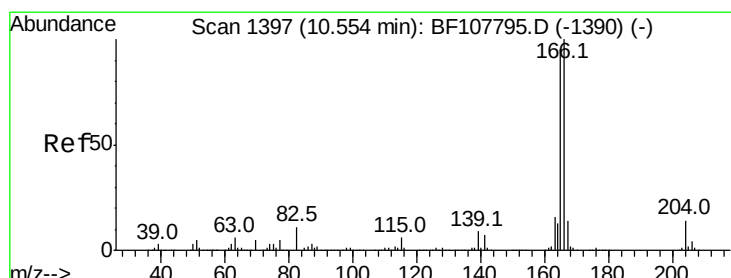
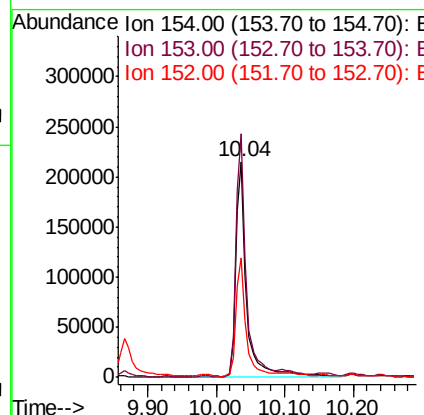
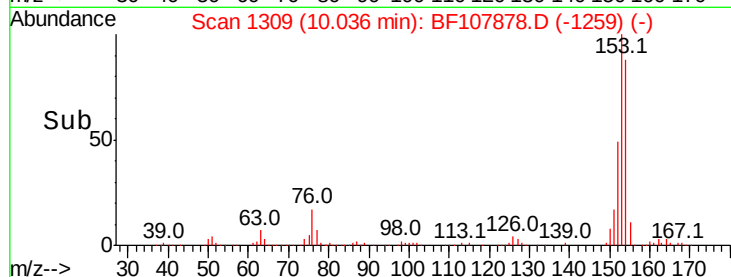
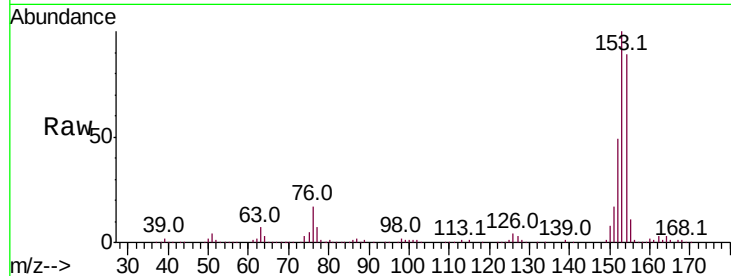
#51
Acenaphthene
Concen: 20.662 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.2	136.8
152	55.2	43.8	65.8

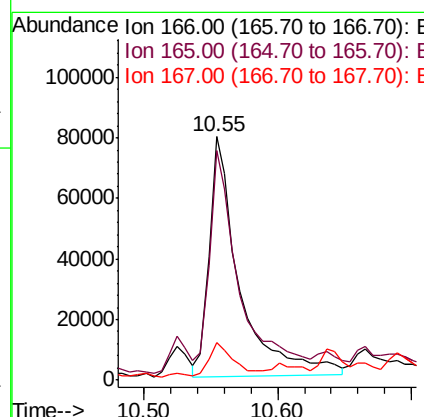
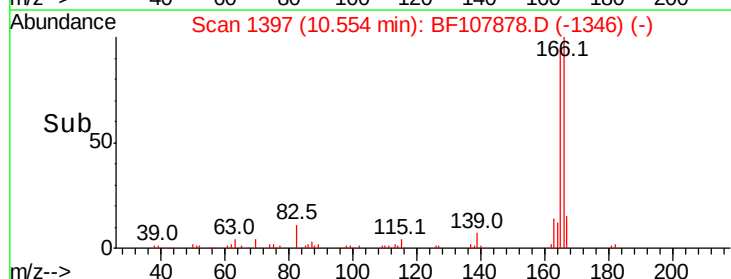
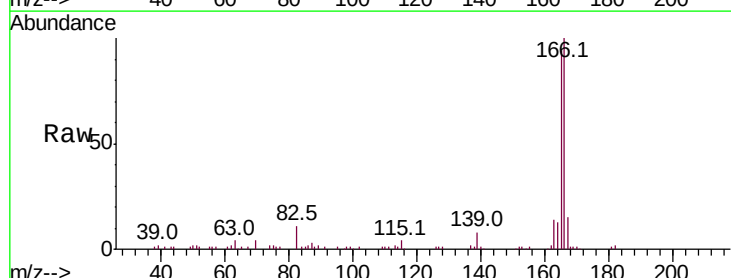
Manual Integrations
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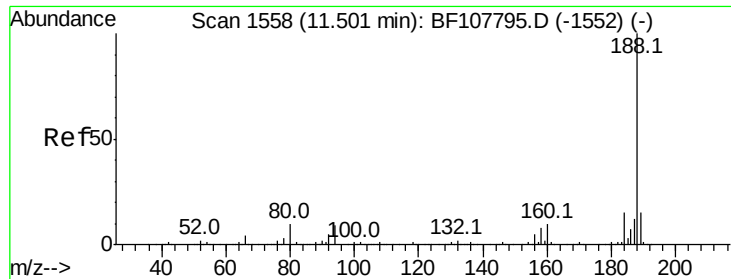
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#57
Fluorene
Concen: 8.903 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.2	79.8	119.8
167	15.5	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: BF107878.D

Acq: 1 Aug 2018 4:36

Instrument :

BNA_F

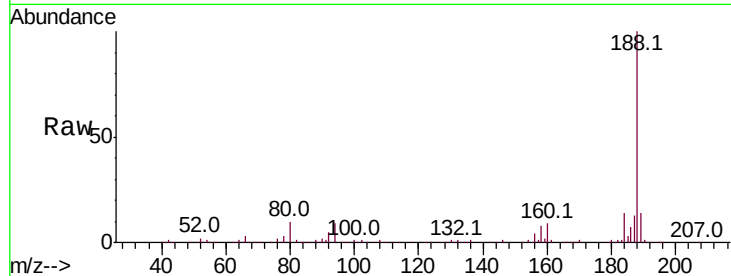
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion:	188	Resp:	377028
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	9.7	9.2	13.8

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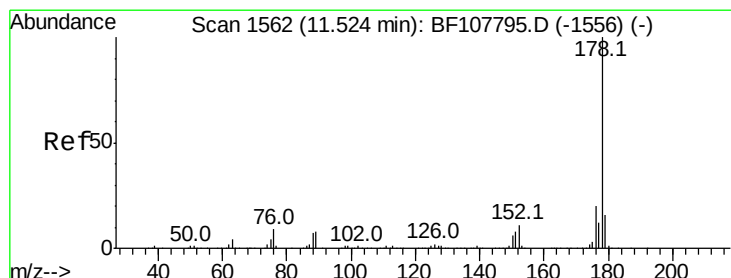
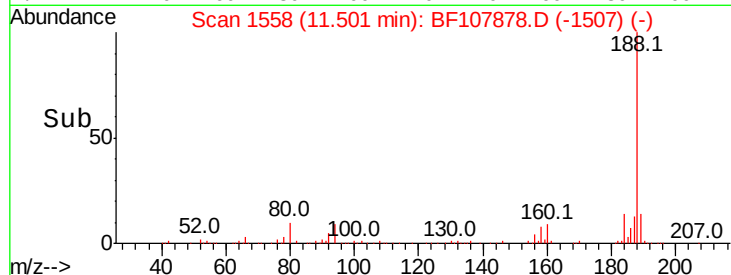
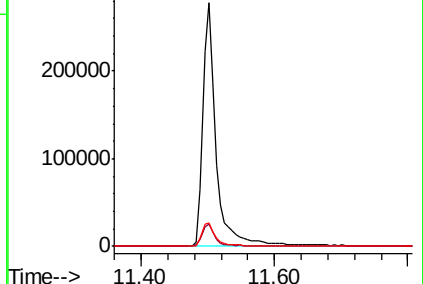
Sohil
8/1/2018 3:57:44 PM



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: 46.205 ng

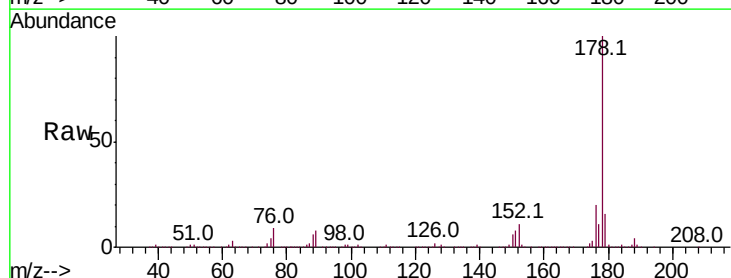
RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107878.D

Acq: 1 Aug 2018 4:36

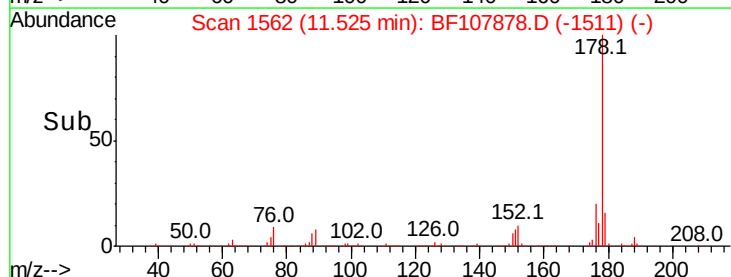
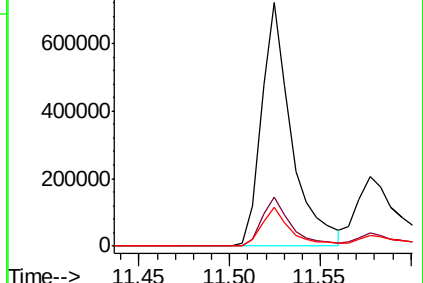
Tgt Ion:	178	Resp:	827176
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.9	13.0	19.6

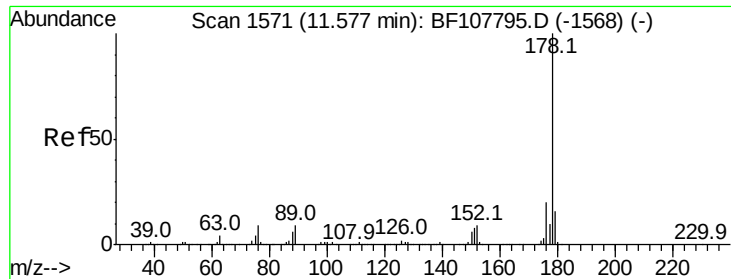


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





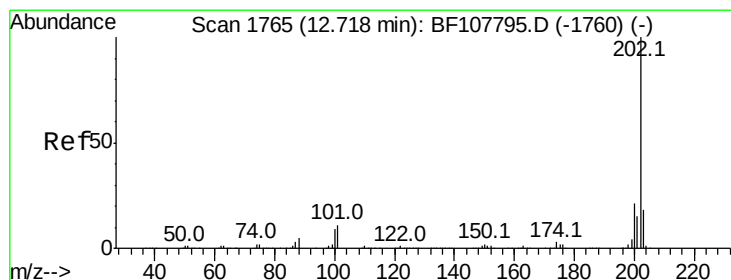
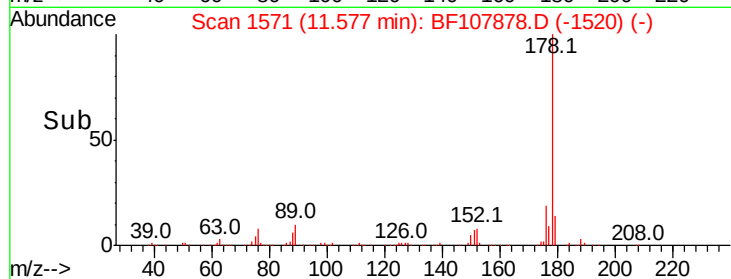
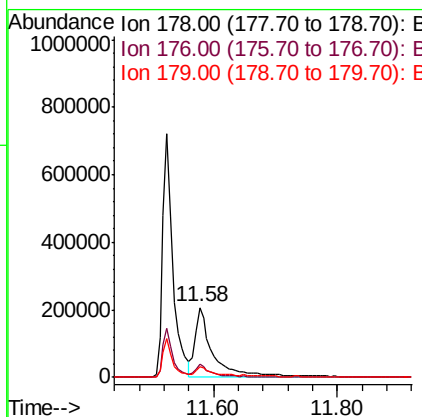
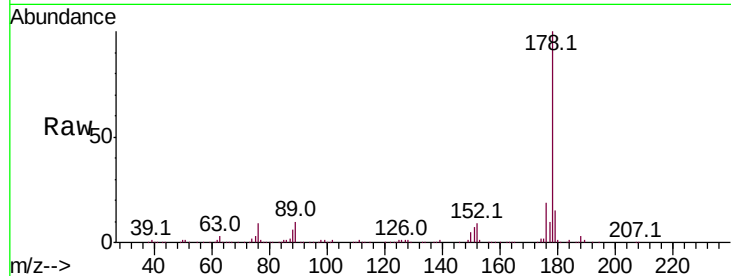
#71
 Anthracene
 Concen: 19.668 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107878.D
 Acq: 1 Aug 2018 4:36

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	14.8	12.6	19.0

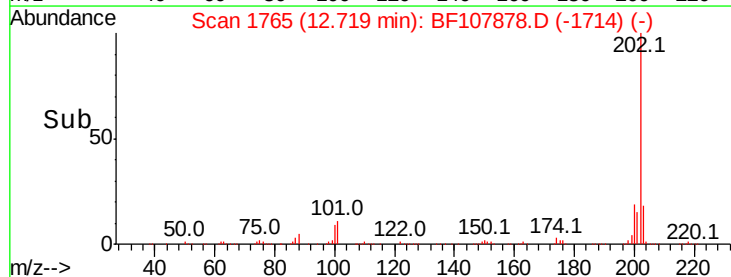
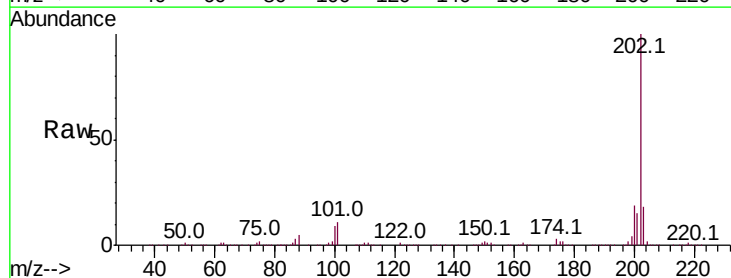
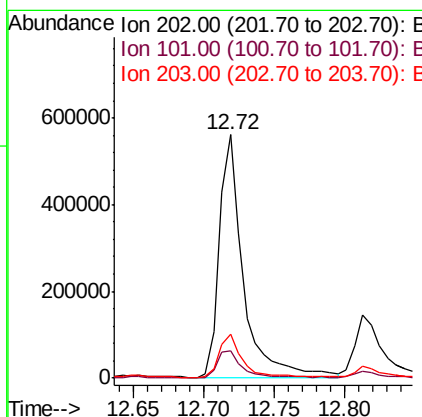
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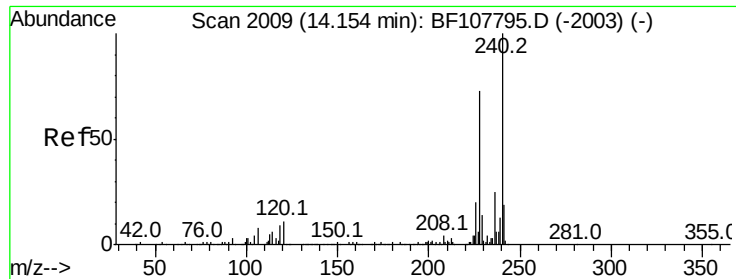
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#74
 Fluoranthene
 Concen: 31.373 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107878.D
 Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.9	0.0	38.1





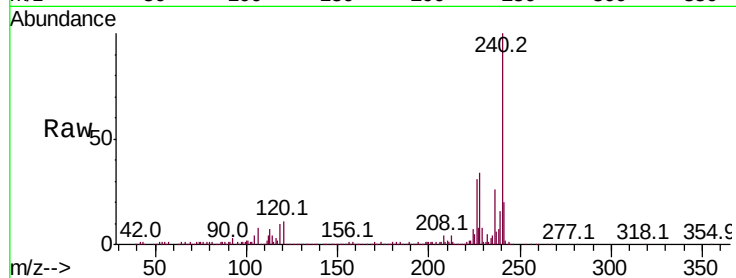
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

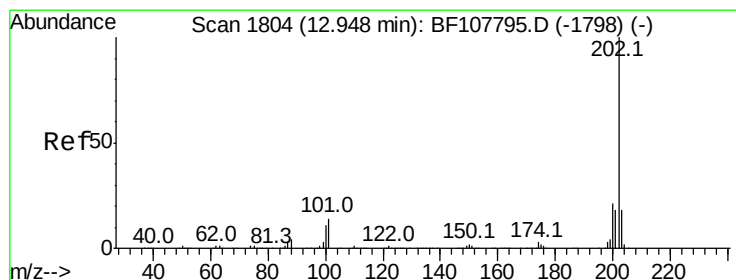
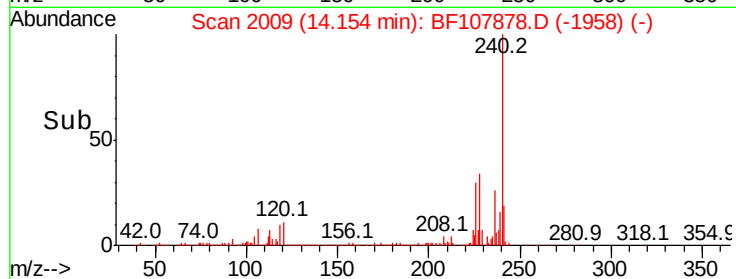
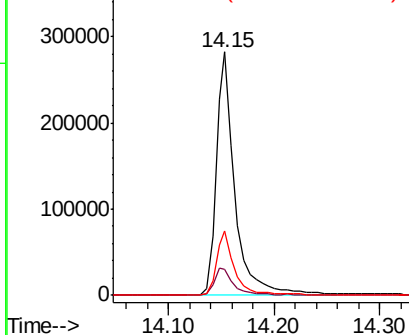
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.3	20.7	31.1

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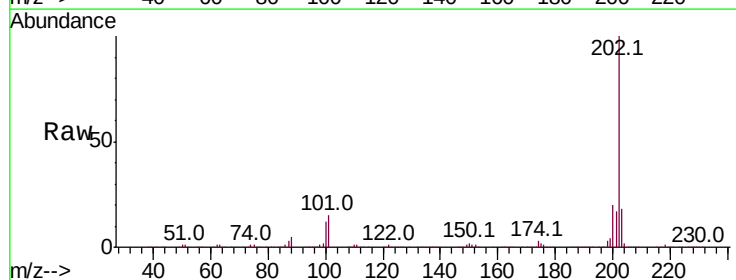


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

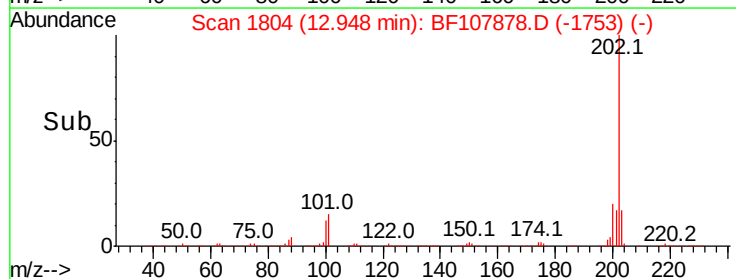
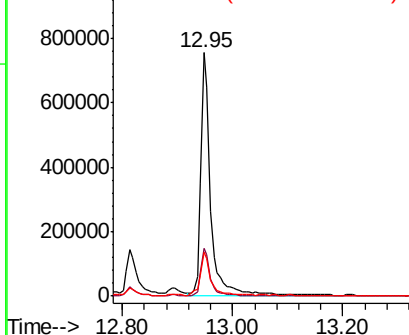


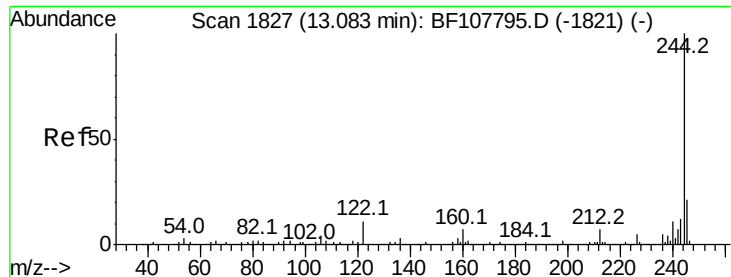
#77
Pyrene
Concen: 36.051 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.4	26.2
203	18.0	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





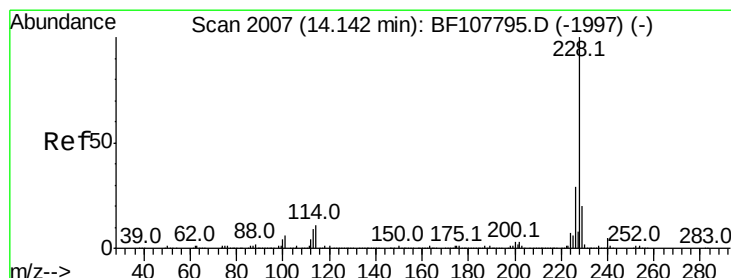
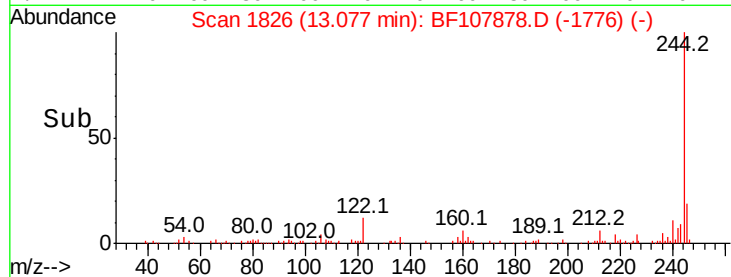
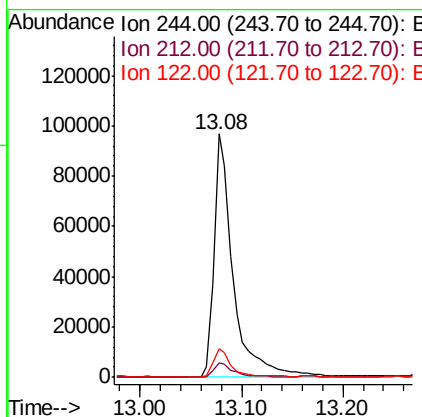
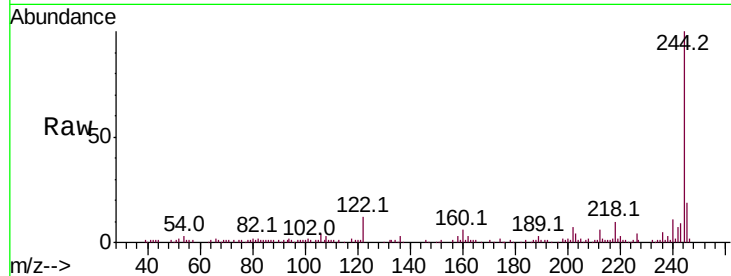
#78
 Terphenyl-d14
 Concen: 7.914 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107878.D
 Acq: 1 Aug 2018 4:36

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	5.8		5.4	8.0
122	11.8		11.0	16.4

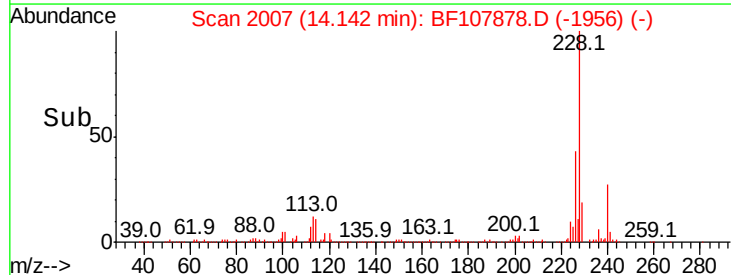
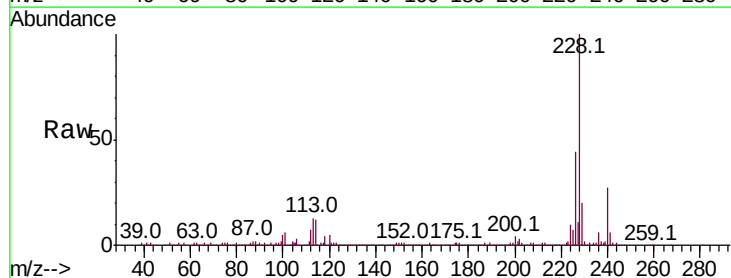
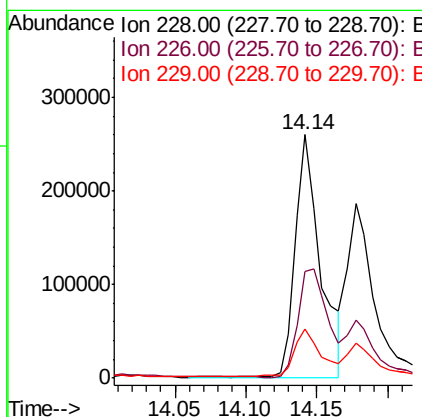
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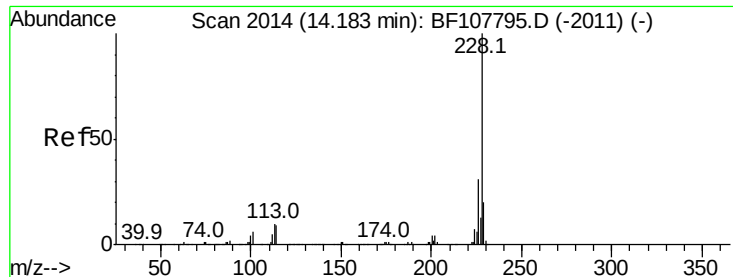
Sohil
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#80
 Benzo(a)anthracene
 Concen: 16.175 ng m
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF107878.D
 Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	43.8		22.6	33.8#
229	20.4		15.8	23.6





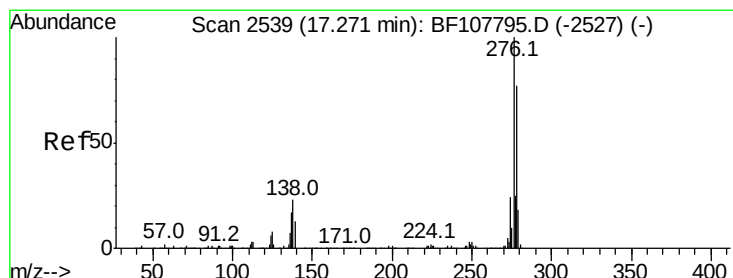
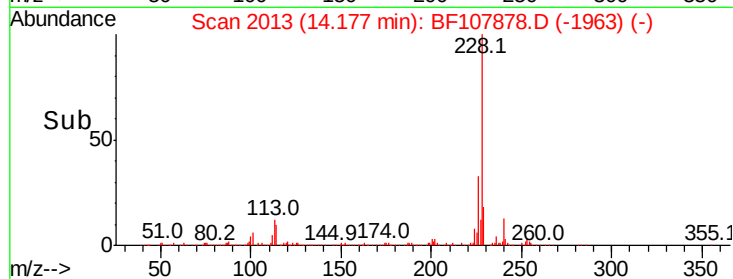
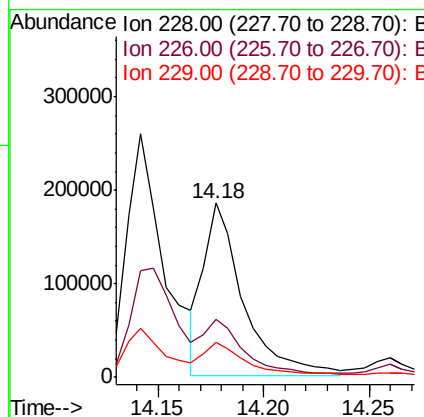
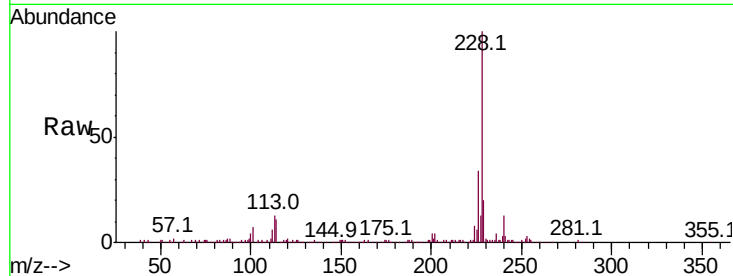
#82
Chrysene
Concen: 11.390 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	25.0	37.6
229	20.0	16.2	24.4

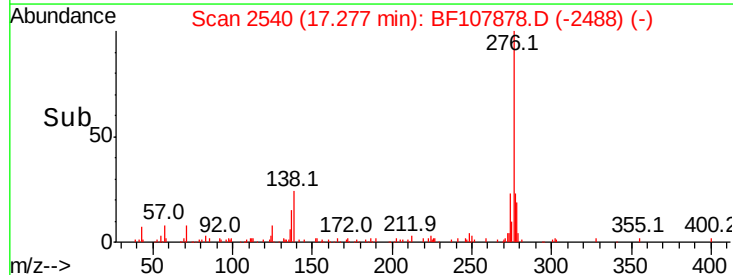
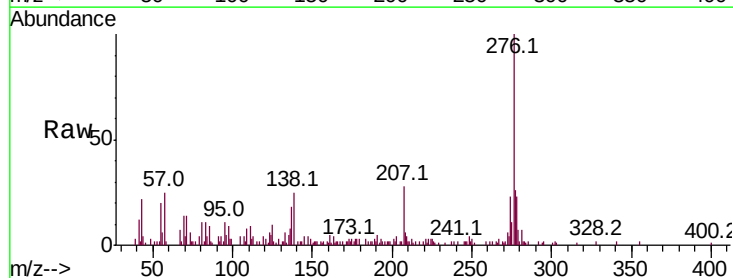
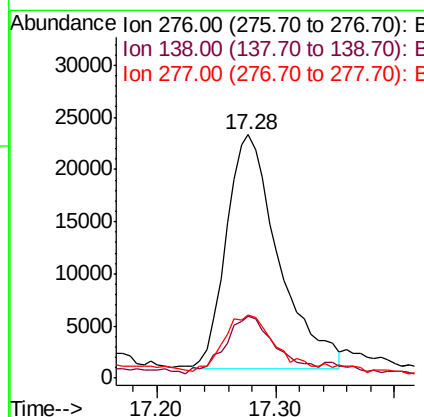
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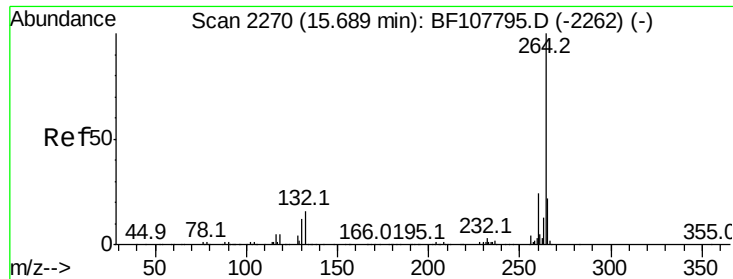
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.193 ng m
RT: 17.28 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.1	25.0	37.6#
277	3.7	20.1	30.1#





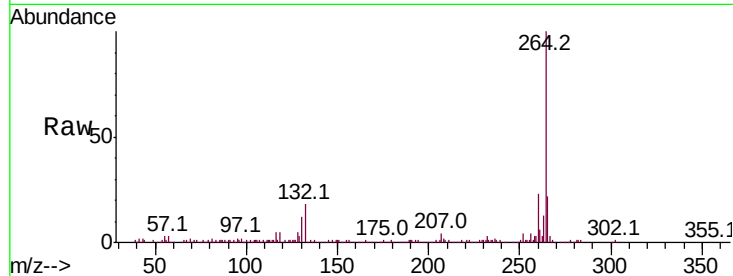
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.5	19.2	28.8	
265	21.6	17.5	26.3	

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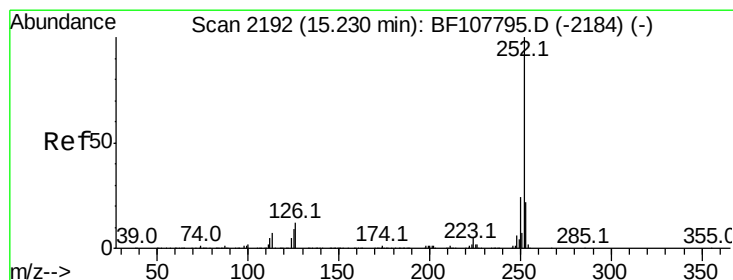
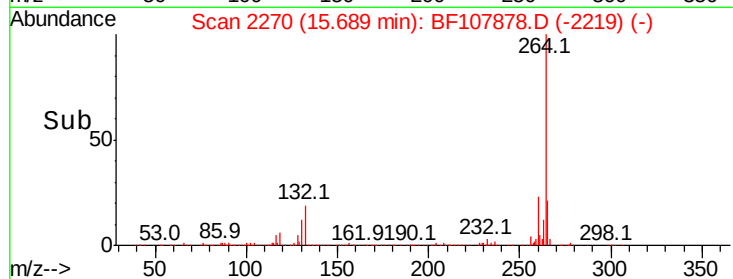
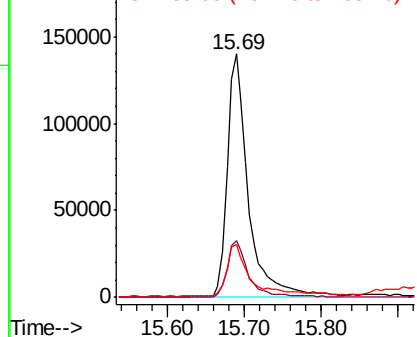


Abundance

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: 11.578 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

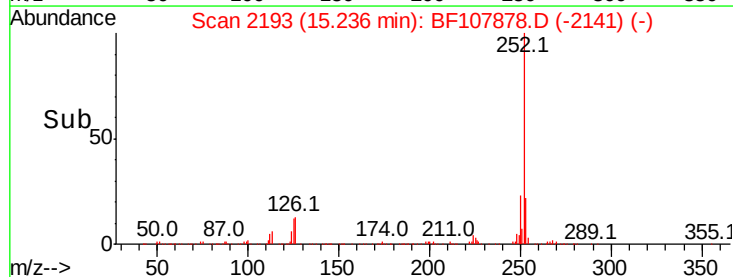
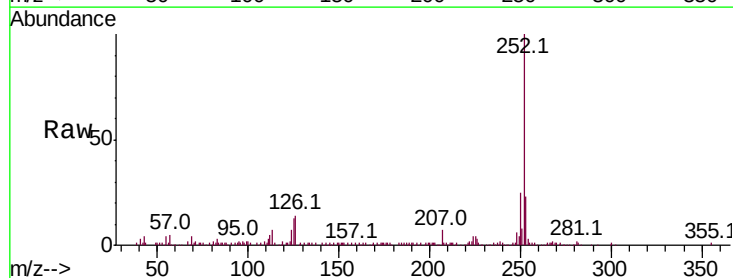
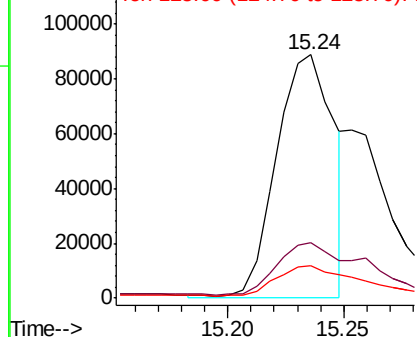
Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.8	17.0	25.6	
125	13.1	9.0	13.6	

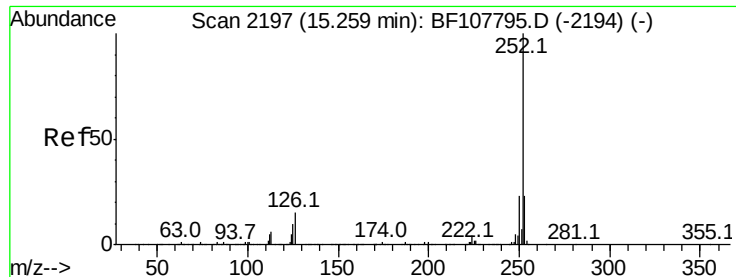
Abundance

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





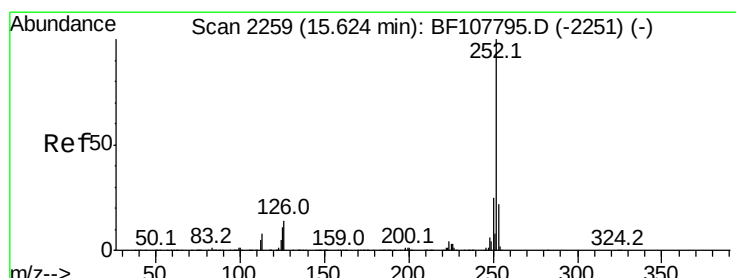
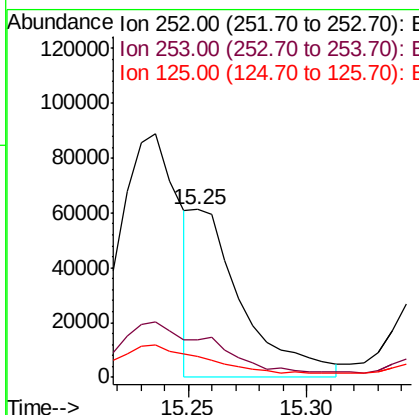
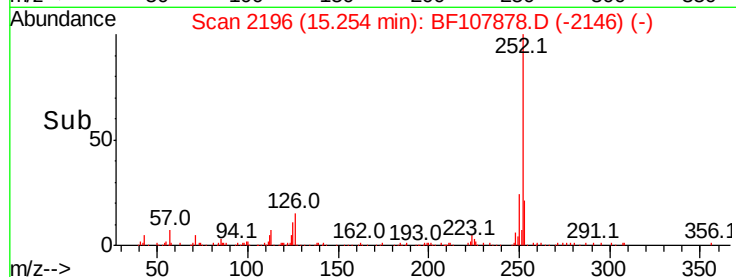
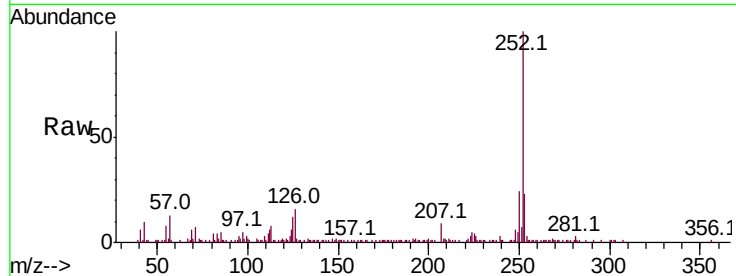
#88
Benzo(k)fluoranthene
Concen: 5.673 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.5	17.9	26.9	
125	12.3	10.2	15.2	

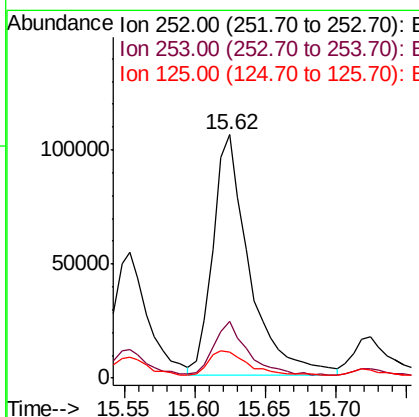
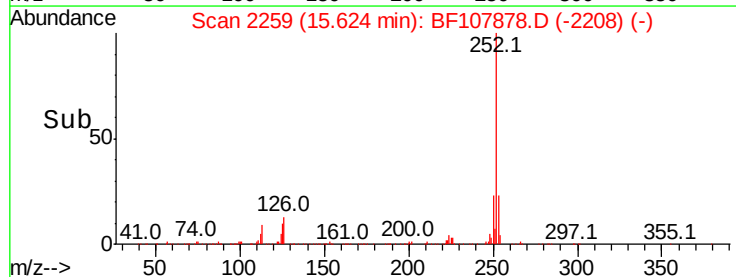
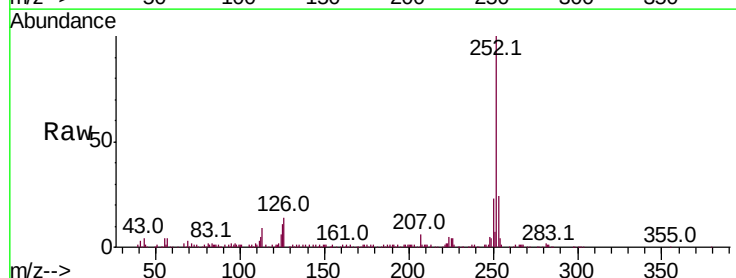
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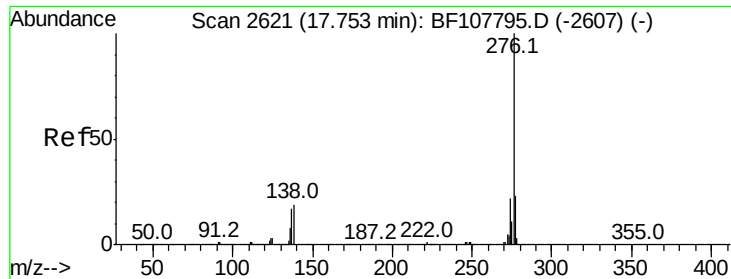
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#89
Benzo(a)pyrene
Concen: 13.865 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107878.D
Acq: 1 Aug 2018 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.5	17.1	25.7	
125	10.8	9.8	14.6	





#91
 Benzo(a,h,i)perylene
 Concen: 6.489 ng
 RT: 17.76 min Scan# 2622
 Delta R.T. 0.01 min
 Lab File: BF107878.D
 Acq: 1 Aug 2018 4:36

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-CLARK-AREA-14-6DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9#
138	26.2	21.8	32.8

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