

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107853.D
 Acq On : 31 Jul 2018 16:59
 Operator : JU/SJ
 Sample : J4231-11 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 8/1/2018 3:57:04 PM

Quant Time: Jul 31 19:05:55 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	6.96	152	135424	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	628427	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	260608	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	422405	20.00	ng	0.00
75) Chrysene-d12	14.15	240	353376	20.00	ng	0.00
86) Perylene-d12	15.69	264	473806	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	109042	13.68	ng	0.00
7) Phenol-d6	6.61	99	199147	18.96	ng	0.00
23) Nitrobenzene-d5	7.54	82	110927	10.17	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	52590	14.85	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	301067	16.10	ng	0.00
78) Terphenyl-d14	13.08	244	234475	14.39	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	801072	27.423	ng	99
37) 2-Methylnaphthalene	8.95	142	170209	9.276	ng	100
45) 1,1'-Biphenyl	9.42	154	140299	5.916	ng	96
48) Acenaphthylene	9.87	152	106285	3.833	ng	97
51) Acenaphthene	10.04	154	559909	34.763	ng	99
57) Fluorene	10.55	166	325860	16.843	ng	95
70) Phenanthrene	11.52	178	1692364	84.377	ng	99
71) Anthracene	11.58	178	783883	33.884	ng	99
74) Fluoranthene	12.72	202	1127110	47.834	ng	97
77) Pyrene	12.95	202	1444799	56.779	ng	98
80) Benzo(a)anthracene	14.14	228	652056m	32.574	ng	
82) Chrysene	14.18	228	465223	21.547	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	313762	19.105	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	516095m	22.085	ng	
88) Benzo(k)fluoranthene	15.25	252	239254m	8.339	ng	
89) Benzo(a)pyrene	15.62	252	639947	26.527	ng	99
90) Dibenzo(a,h)anthracene	17.28	278	59411m	2.823	ng	
91) Benzo(g,h,i)perylene	17.75	276	323964	15.911	ng	93

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

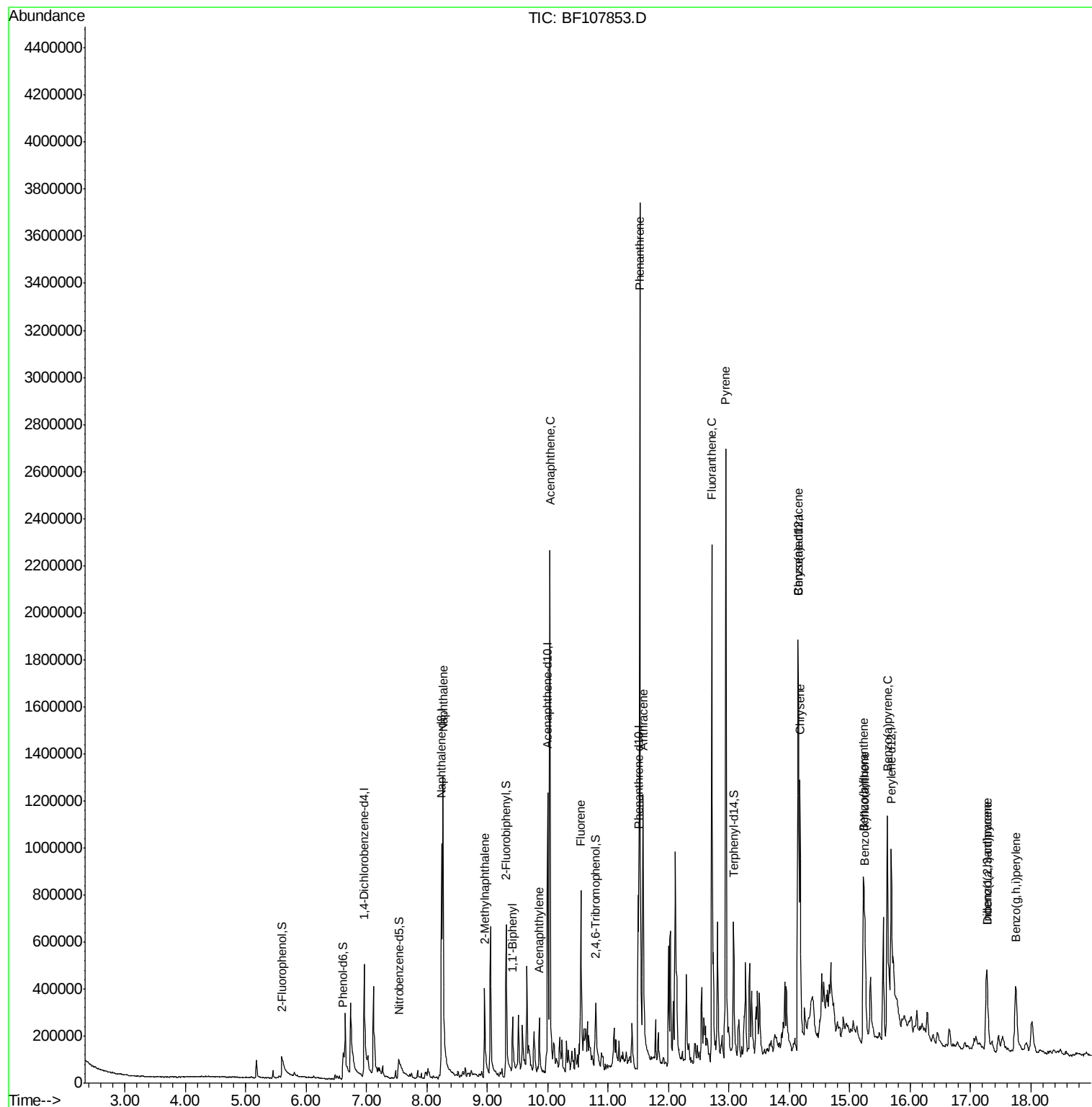
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

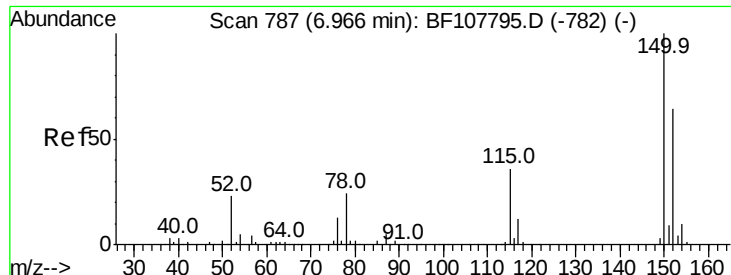
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

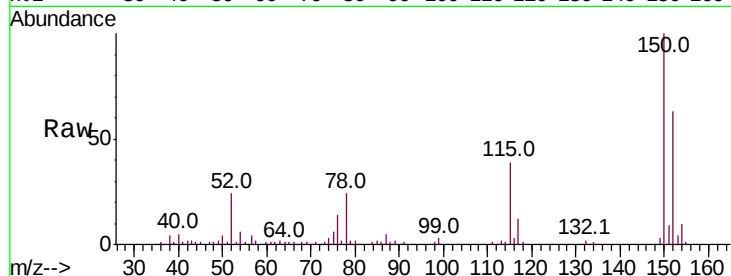
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	62.0	50.1	75.1

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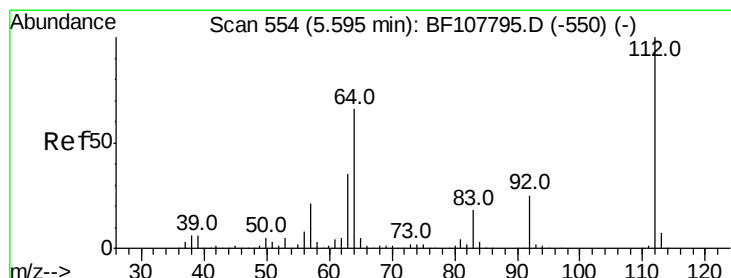
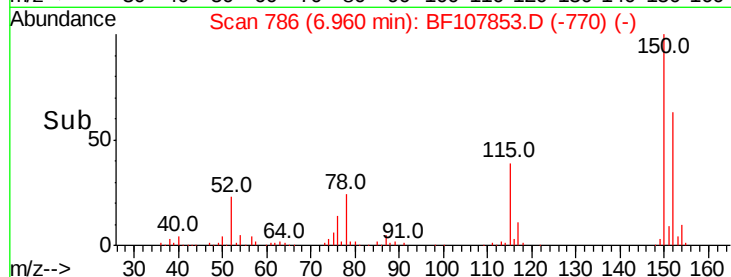
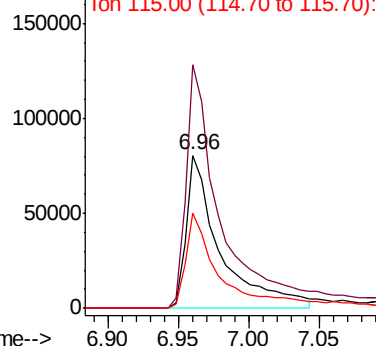


Abundance

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: 13.685 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

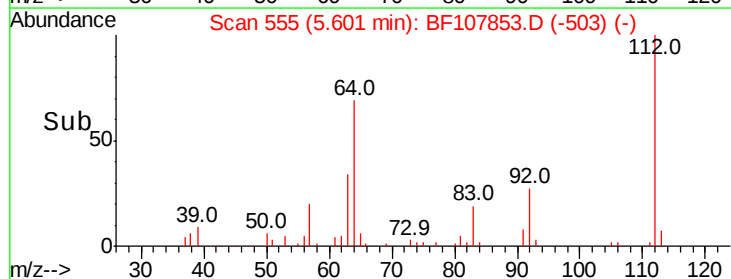
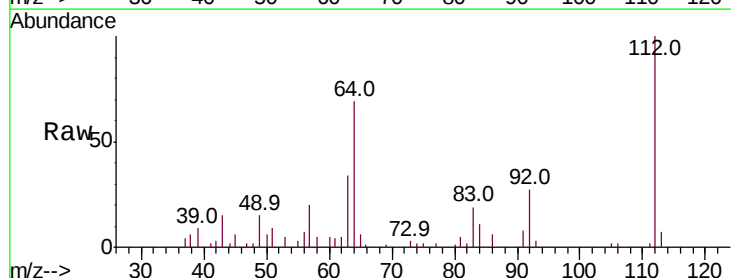
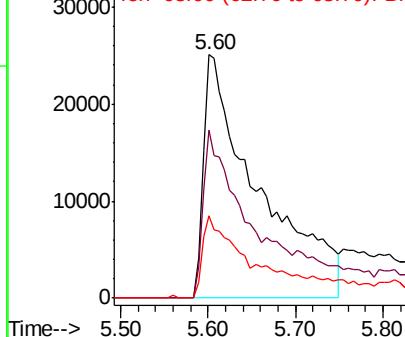
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	47.9	71.9
63	33.7	23.7	35.5

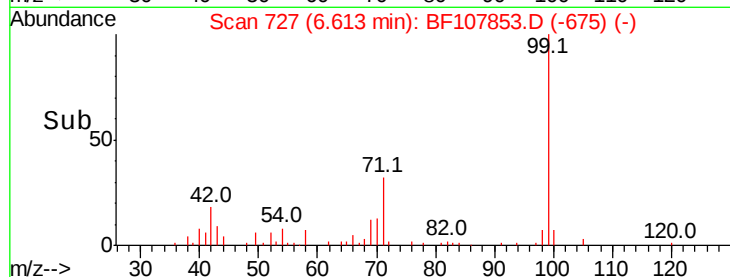
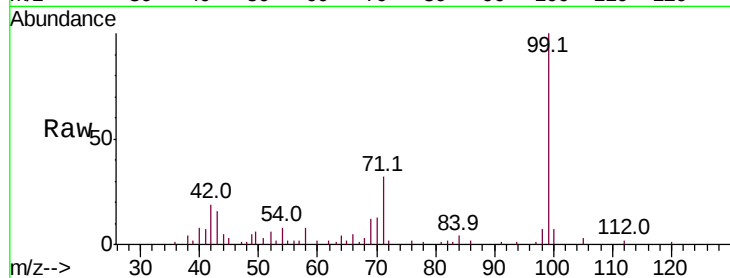
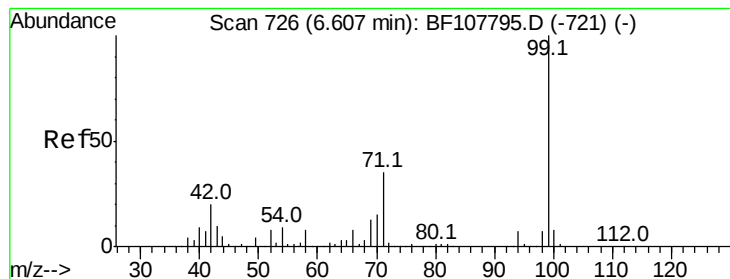
Abundance

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: 18.963 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		199147		
42	19.5	14.5	21.7		
71	31.8	25.4	38.0		

Instrument :

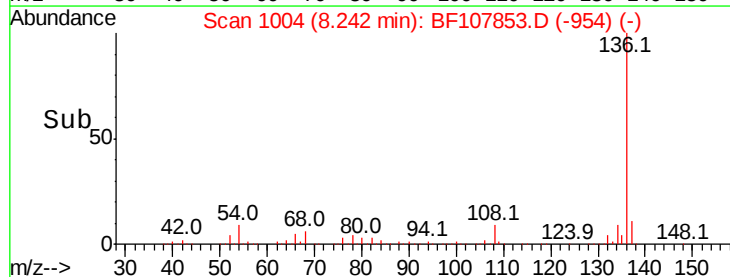
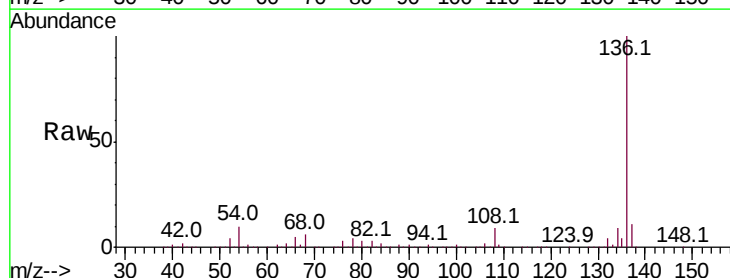
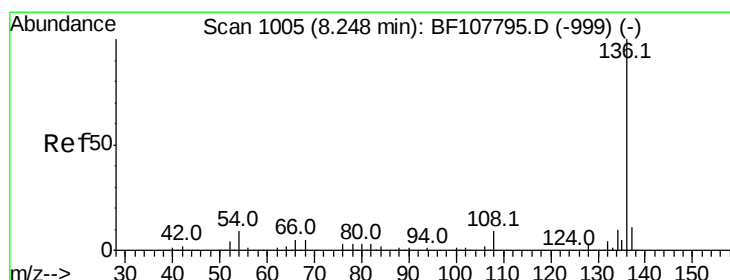
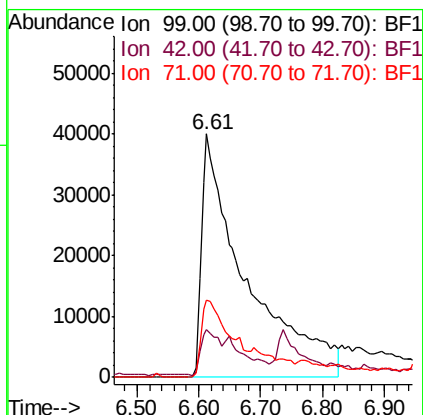
BNA_F

ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6

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#21

Naphthalene-d8

Concen: 20.000 ng

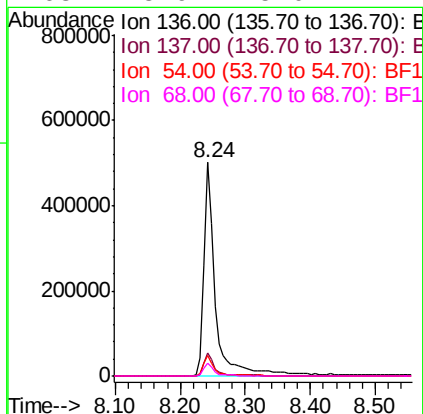
RT: 8.24 min Scan# 1004

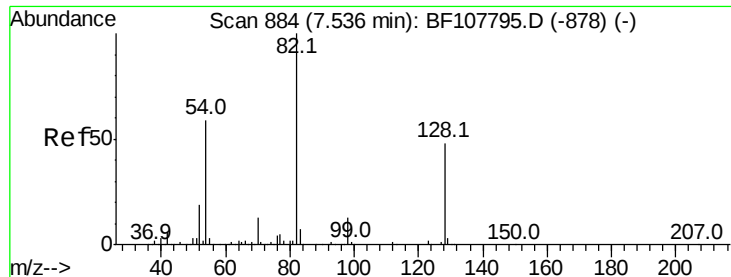
Delta R.T. -0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		628427		
137	10.9	8.9	13.3		
54	9.5	6.6	9.8		
68	5.9	5.0	7.4		





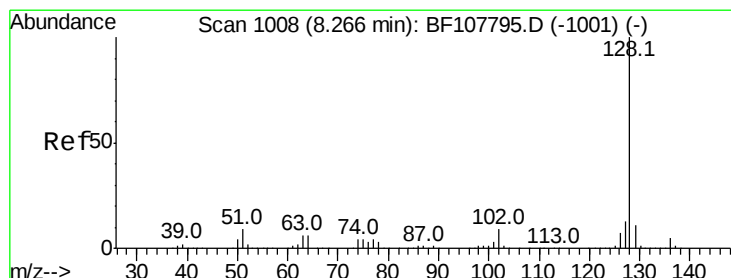
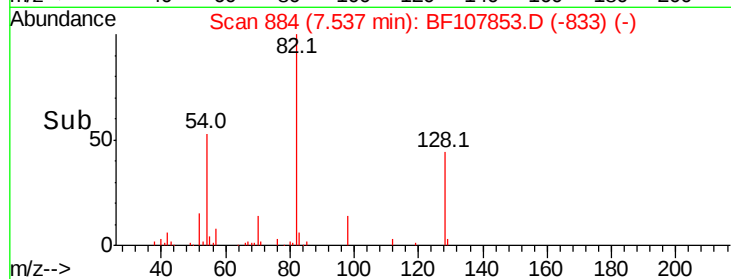
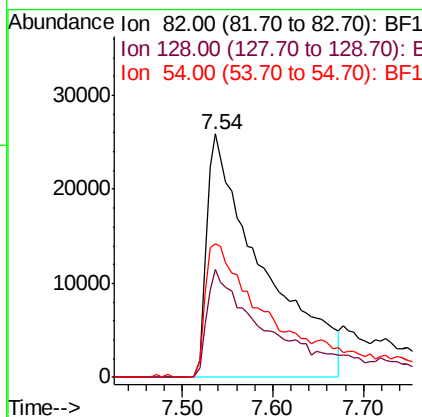
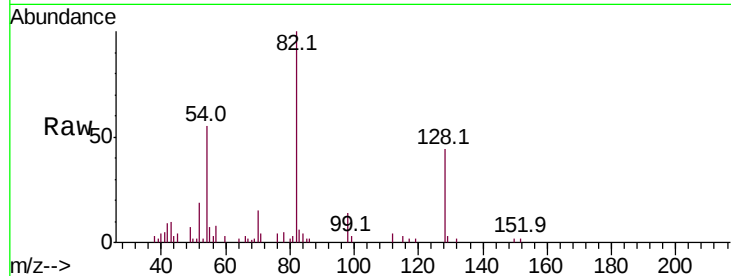
#23
Nitrobenzene-d5
Concen: 10.169 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	54.8	41.4	62.2

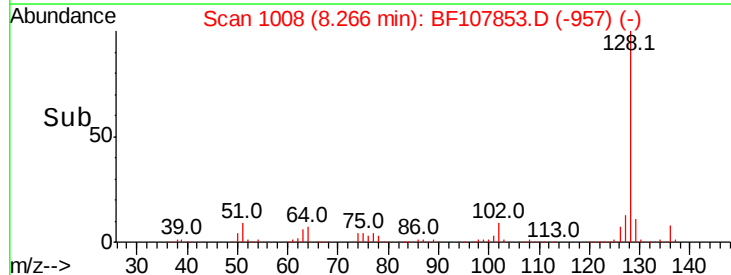
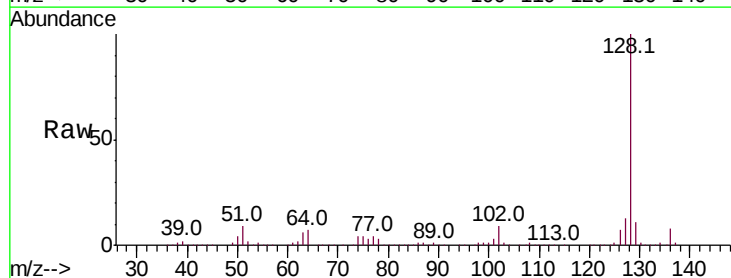
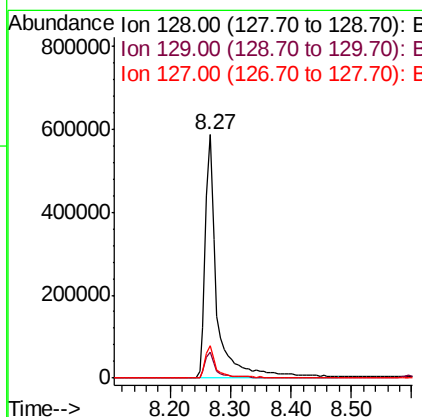
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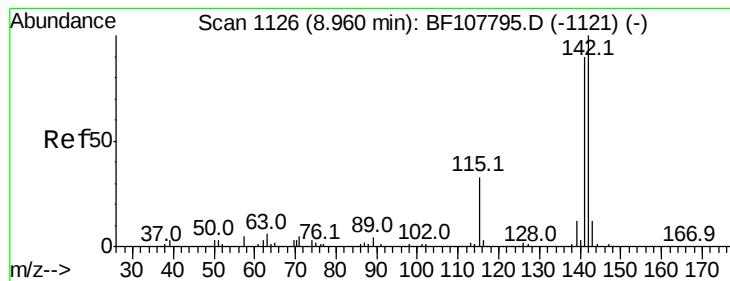
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#31
Naphthalene
Concen: 27.423 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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





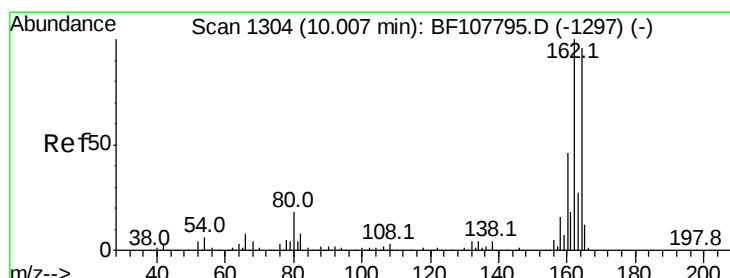
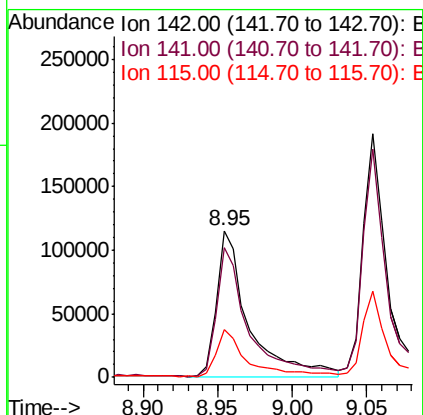
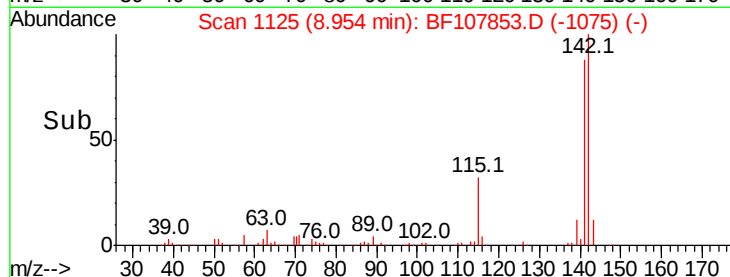
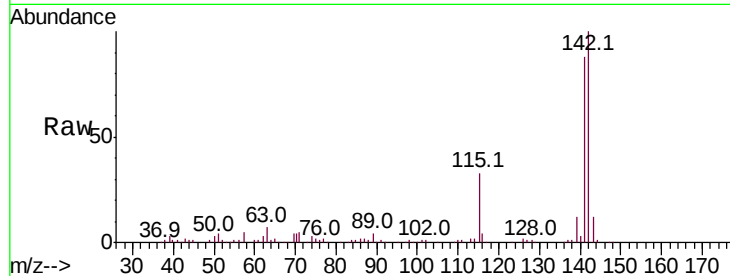
#37
2-Methylnaphthalene
Concen: 9.276 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2
115	32.8	26.1	39.1

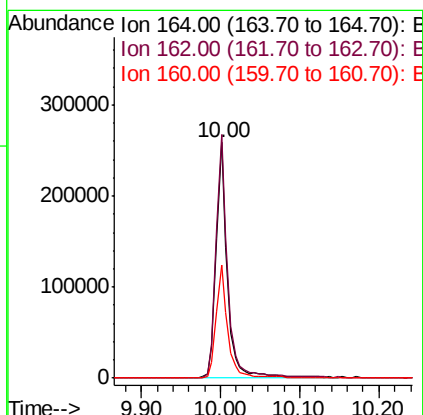
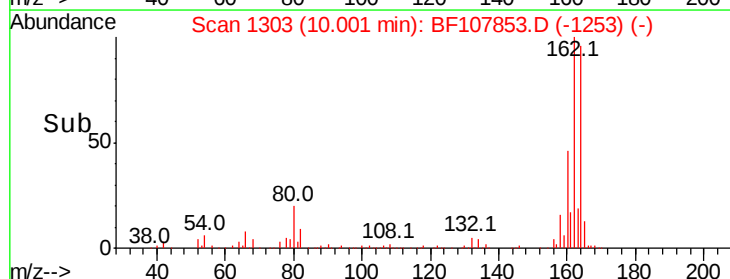
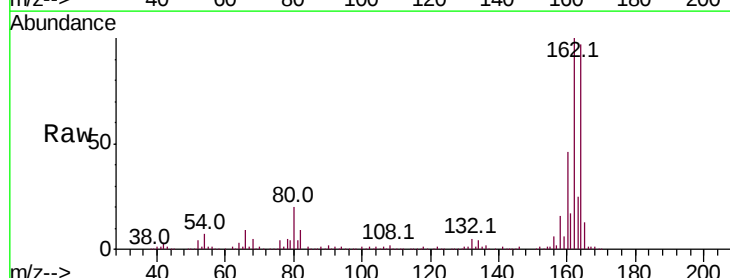
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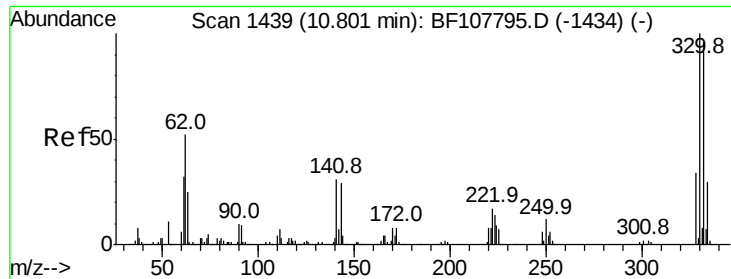
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	47.8	38.3	57.5





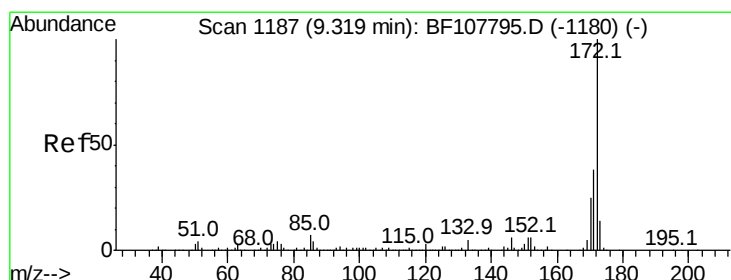
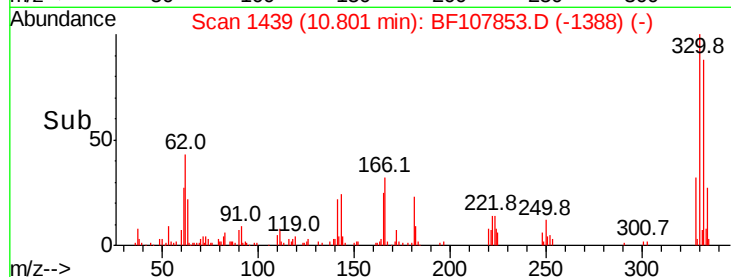
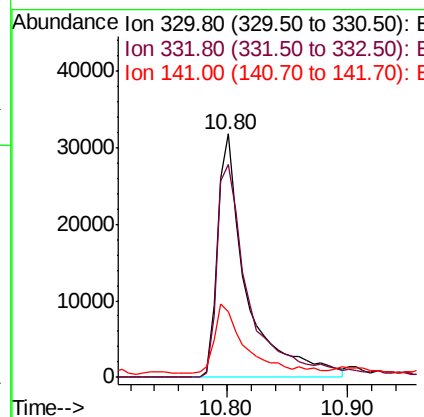
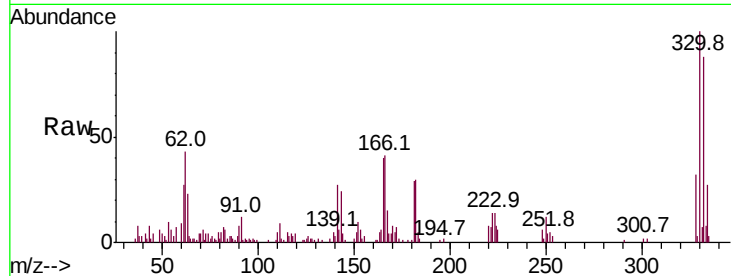
#41
 2,4,6-Tribromophenol
 Concen: 14.851 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107853.D
 Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	28.4	29.9	44.9#

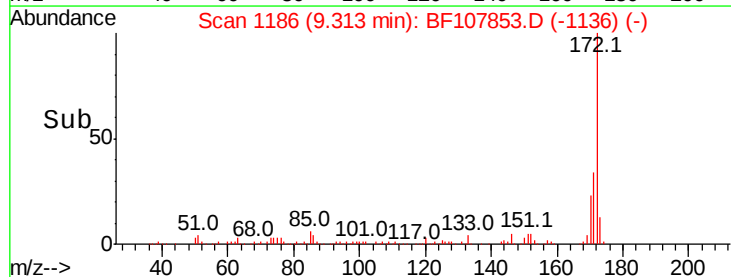
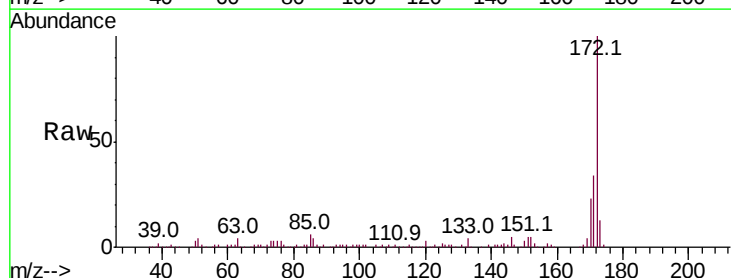
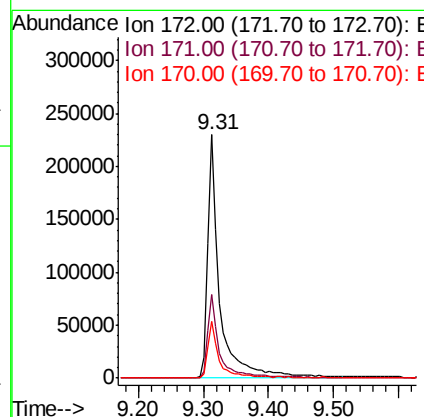
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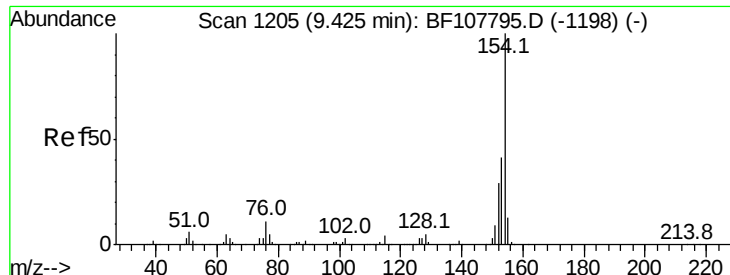
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#44
 2-Fluorobiphenyl
 Concen: 16.098 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107853.D
 Acq: 31 Jul 2018 16:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	23.1	19.6	29.4





#45

1,1'-Biphenyl

Concen: 5.916 ng

RT: 9.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Instrument :

BNA_F

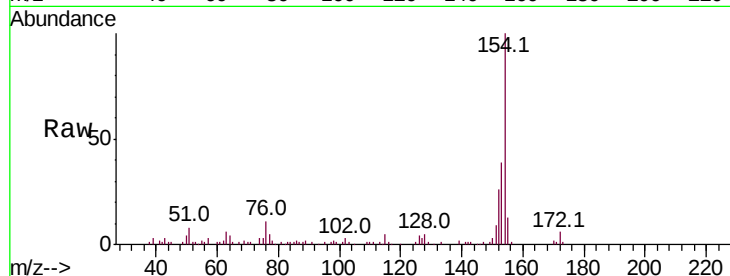
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6

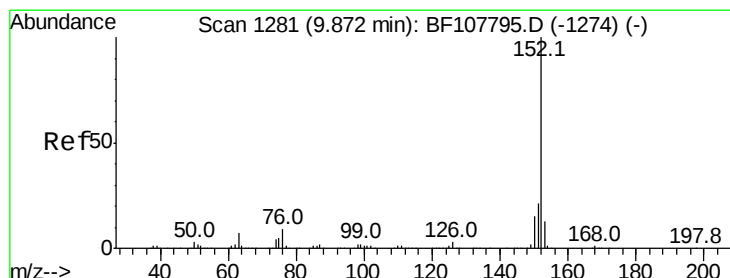
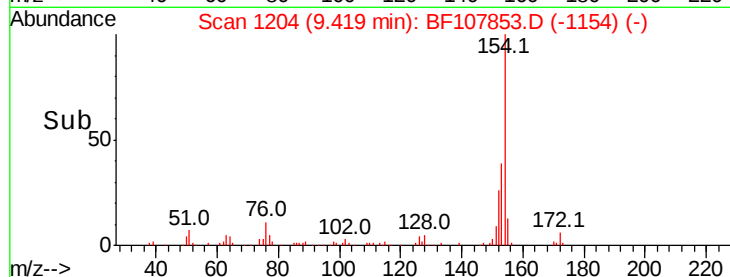
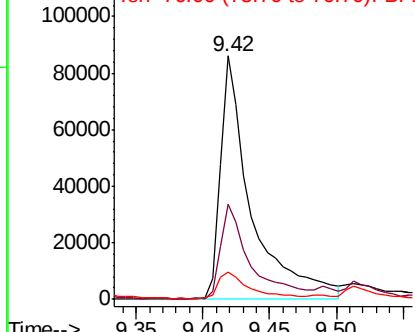
Tot Ion:	154	Resp:	140299
Ion Ratio	Lower	Upper	
154	100		
153	39.2	21.3	61.3
76	11.5	0.0	34.0

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 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 3.833 ng

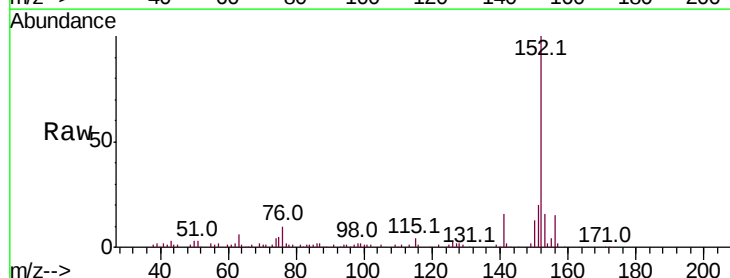
RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

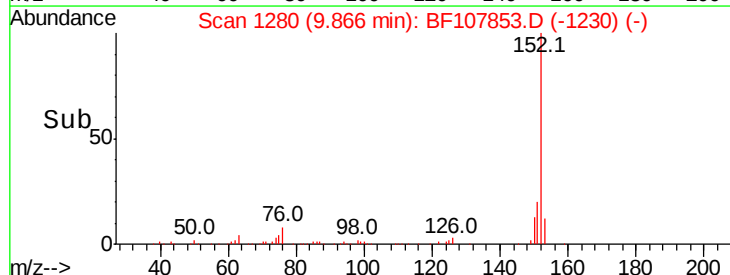
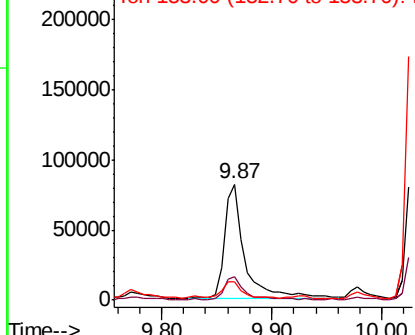
Lab File: BF107853.D

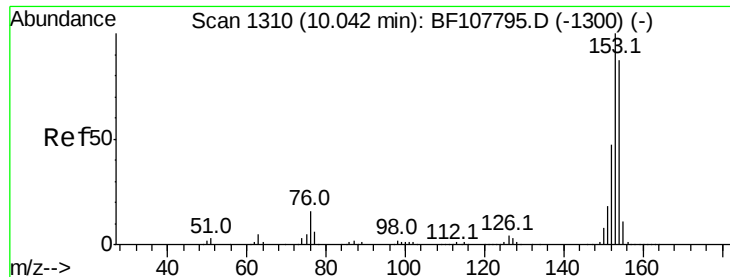
Acq: 31 Jul 2018 16:59

Tgt Ion:	152	Resp:	106285
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	15.8	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: 34.763 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Instrument :

BNA_F

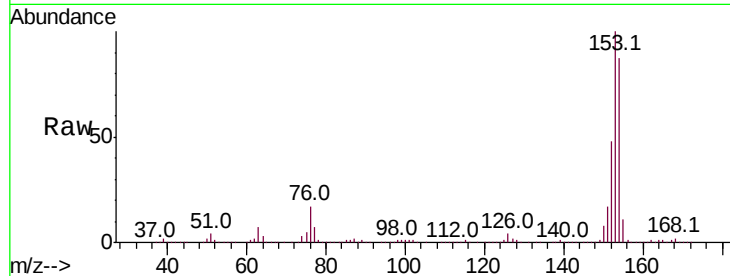
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6

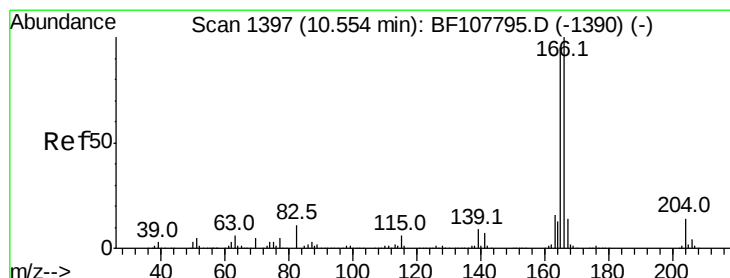
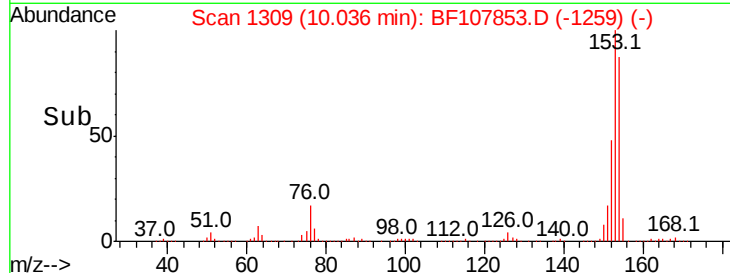
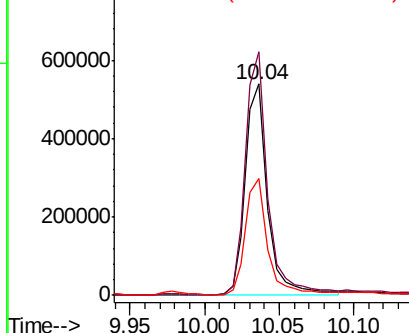
Tot Ion:	154	Resp:	559909
Ion Ratio	Lower	Upper	
154	100		
153	115.2	91.2	136.8
152	55.0	43.8	65.8

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: 16.843 ng

RT: 10.55 min Scan# 1397

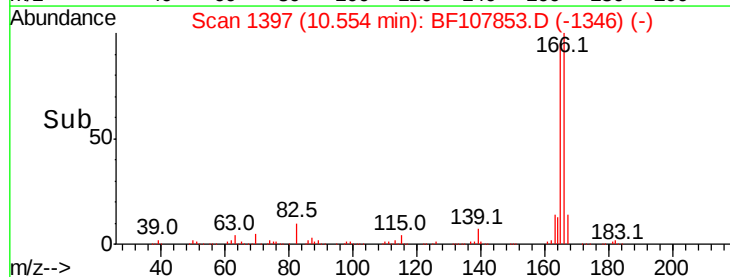
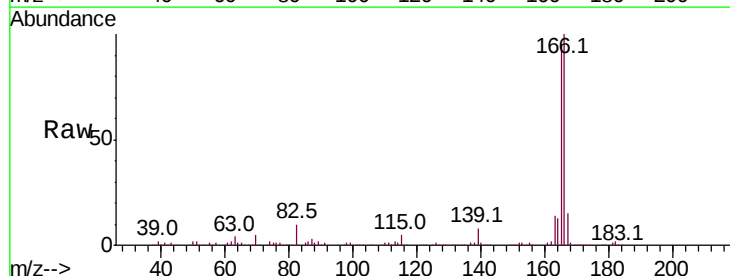
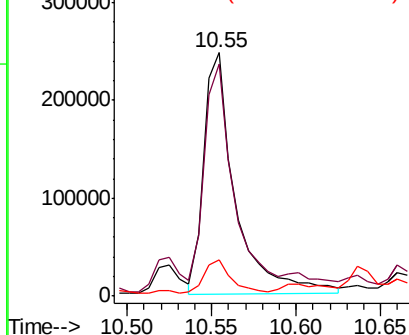
Delta R.T. 0.00 min

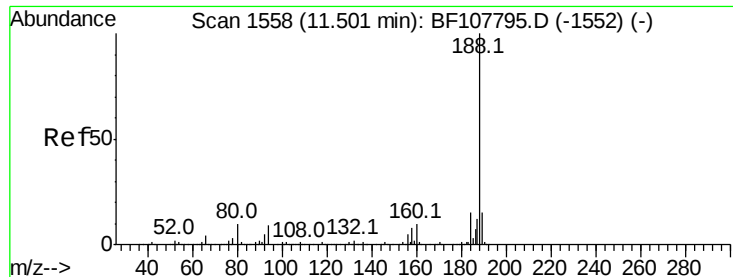
Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Tgt Ion:	166	Resp:	325860
Ion Ratio	Lower	Upper	
166	100		
165	95.2	79.8	119.8
167	14.8	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





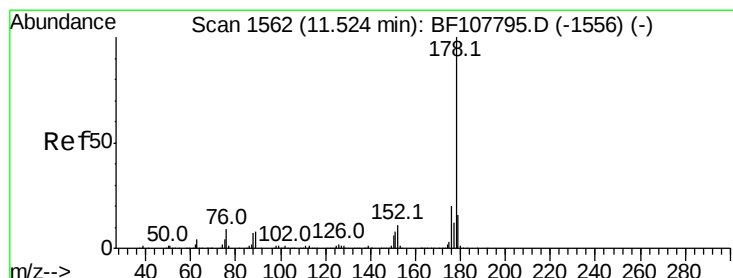
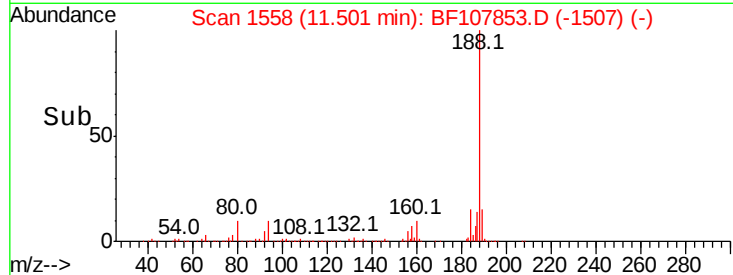
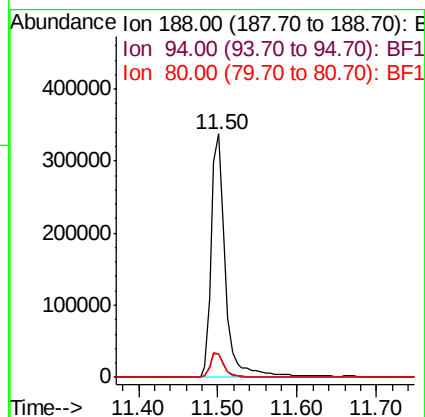
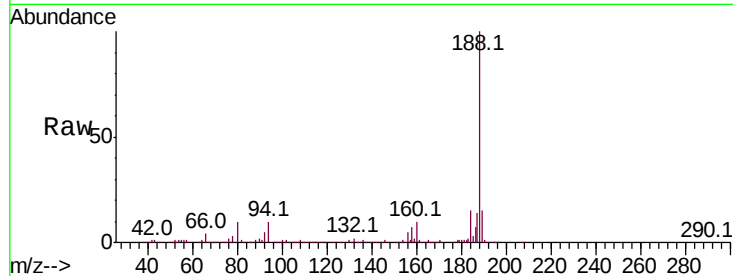
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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

Tot Ion:188	Resp:	422405
Ion Ratio	Lower	Upper
188 100		
94 9.8	8.5	12.7
80 9.6	9.2	13.8

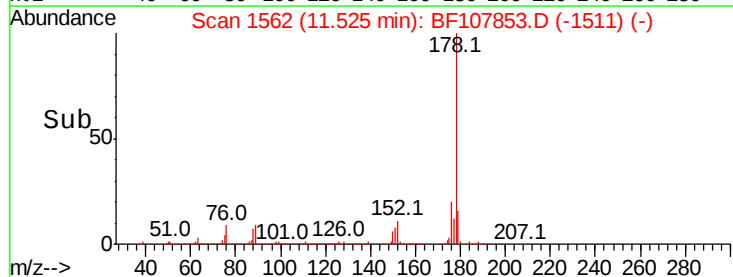
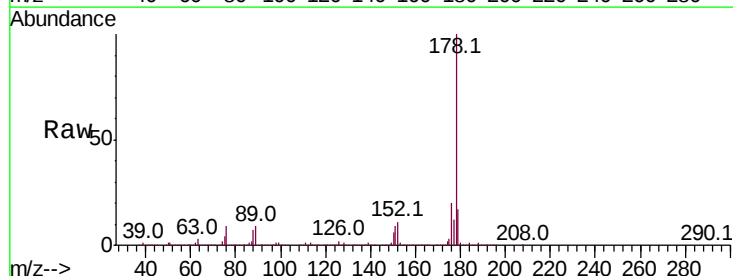
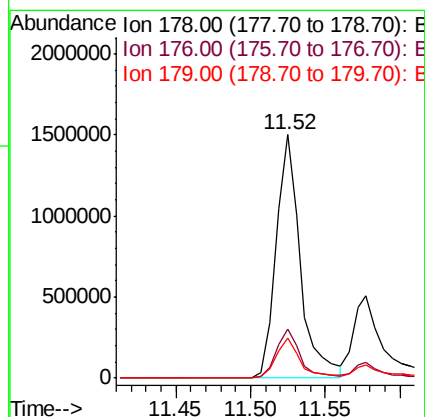
Manual Integrations
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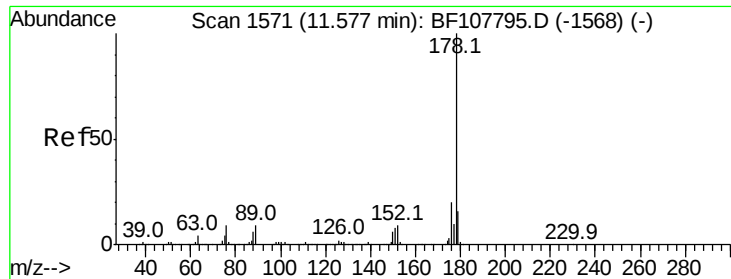
Sohil
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#70
Phenanthrene
Concen: 84.377 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

Tgt Ion:178	Resp:	1692364
Ion Ratio	Lower	Upper
178 100		
176 20.1	15.8	23.8
179 16.6	13.0	19.6





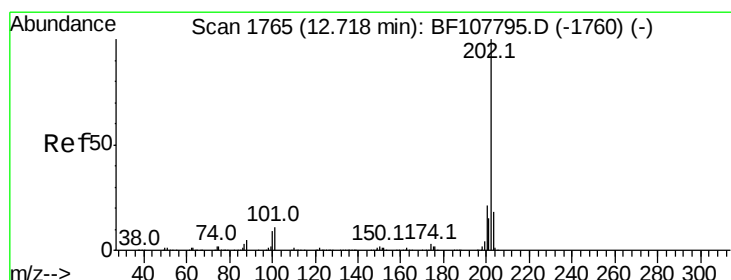
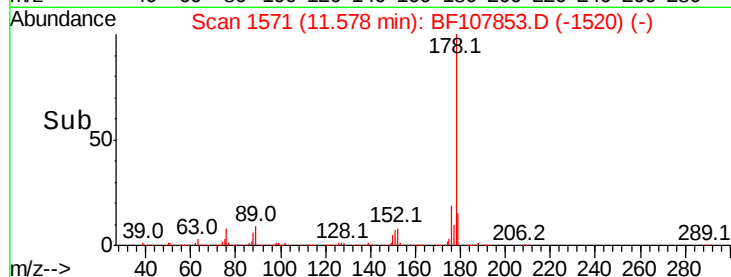
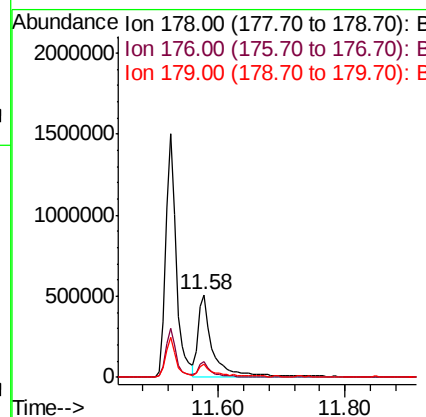
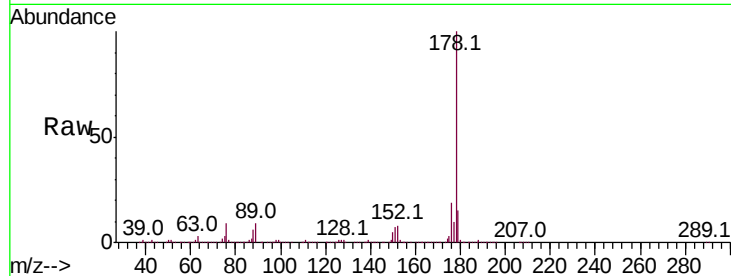
#71
 Anthracene
 Concen: 33.884 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107853.D
 Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.3	12.6	19.0

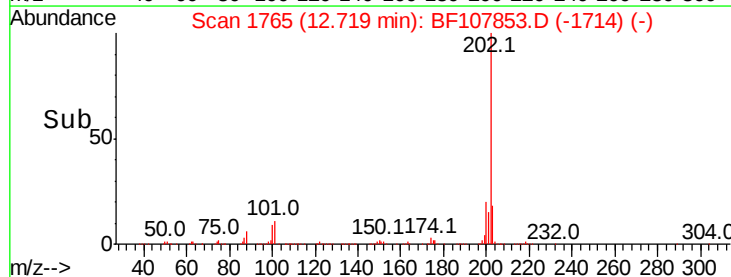
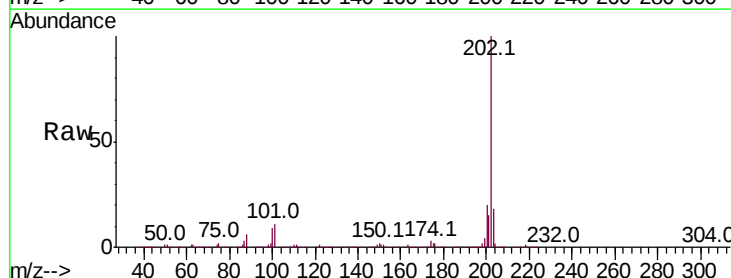
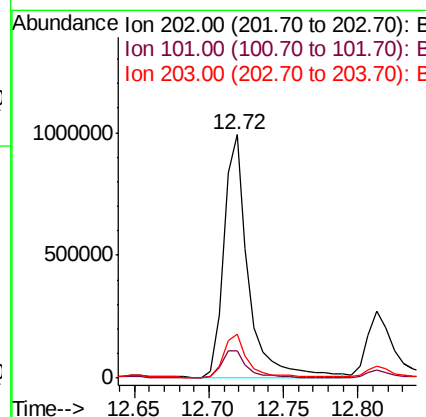
Manual Integrations
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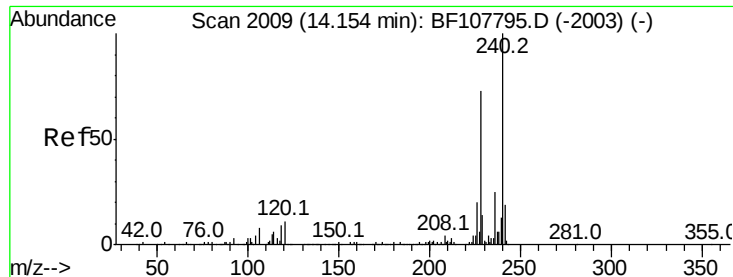
Sohil
 8/1/2018 3:57:04 PM



#74
 Fluoranthene
 Concen: 47.834 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107853.D
 Acq: 31 Jul 2018 16:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	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: BF107853.D

Acq: 31 Jul 2018 16:59

Instrument :

BNA_F

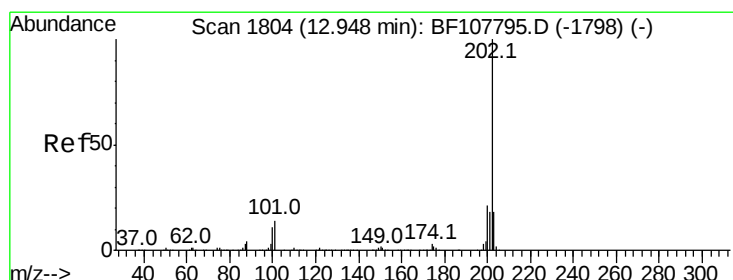
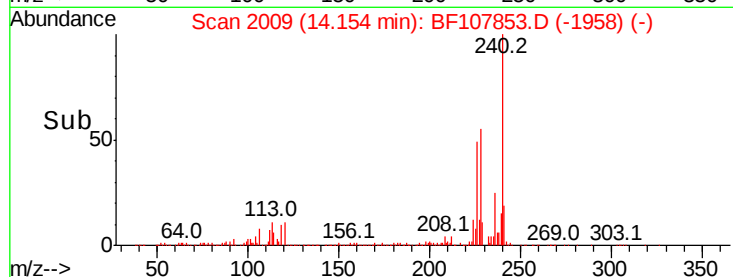
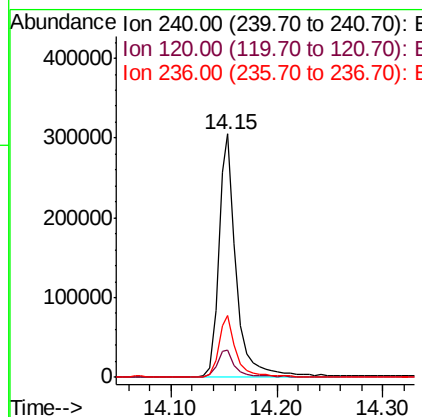
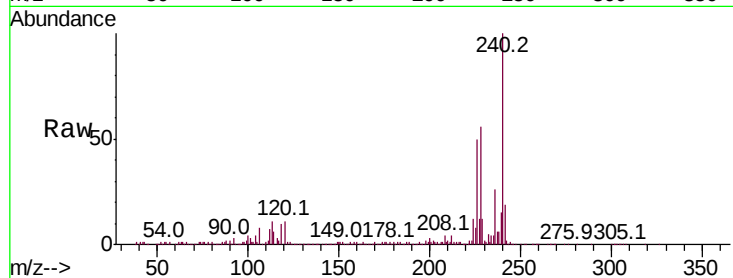
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6

Tot Ion:	240	Resp:	353376
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 56.779 ng

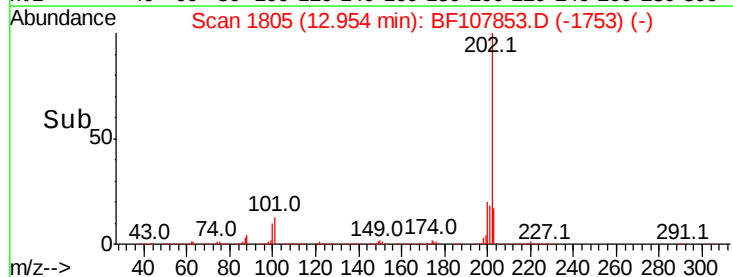
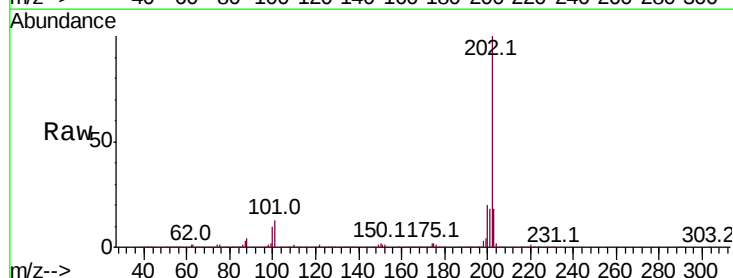
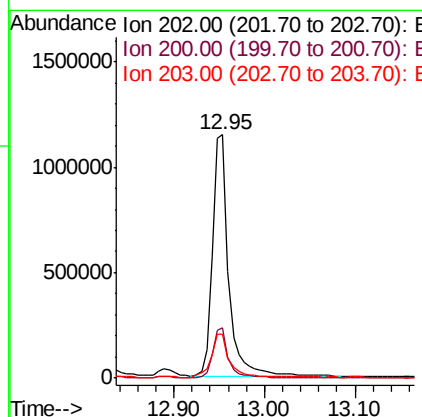
RT: 12.95 min Scan# 1805

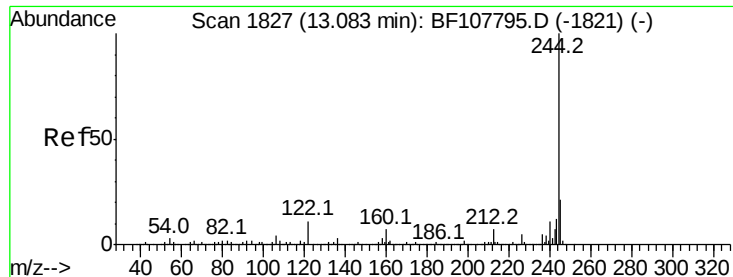
Delta R.T. 0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Tgt Ion:	202	Resp:	1444799
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 14.388 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Instrument :

BNA_F

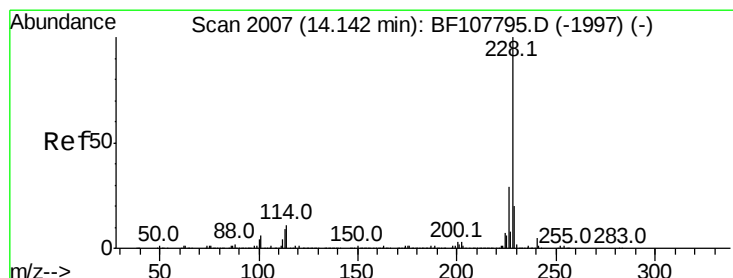
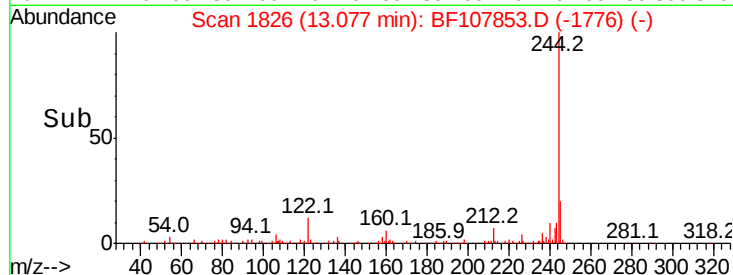
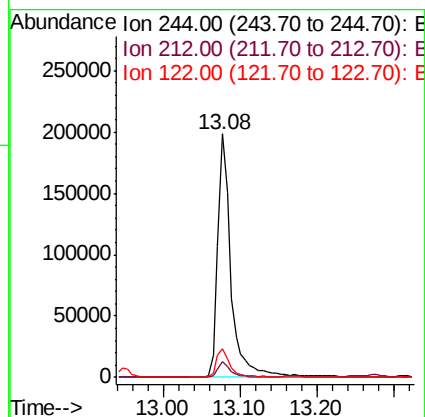
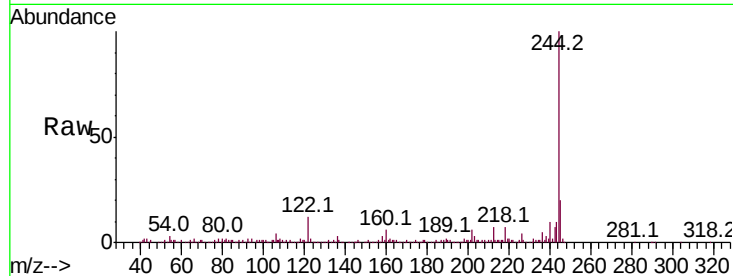
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6

Tot Ion:	244	Resp:	234475
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	11.6	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 32.574 ng m

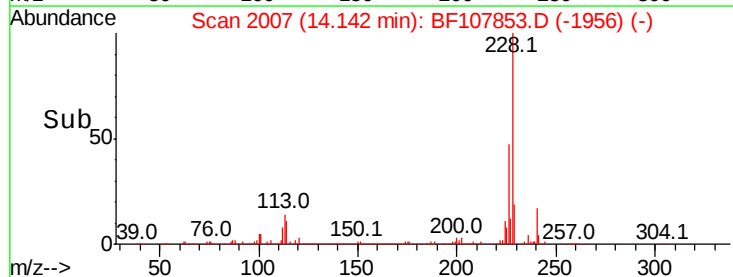
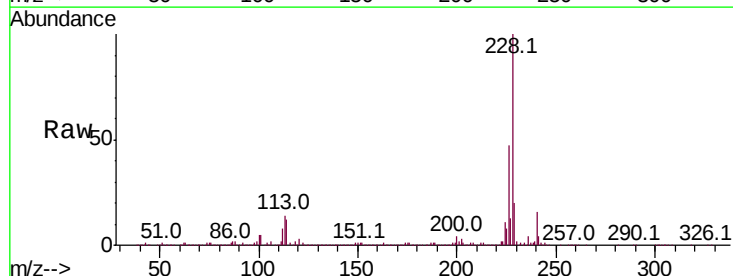
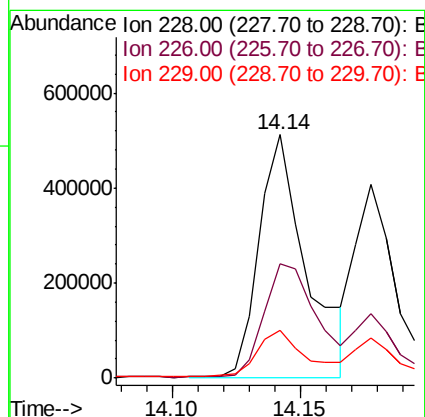
RT: 14.14 min Scan# 2007

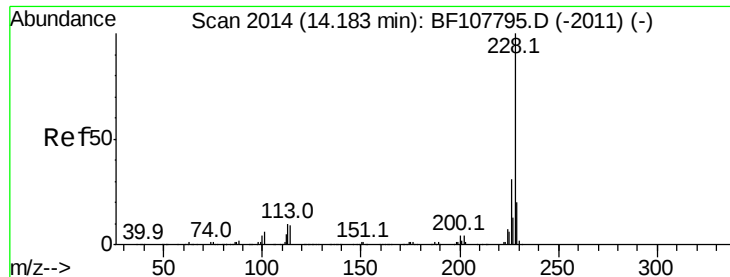
Delta R.T. 0.00 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Tgt Ion:	228	Resp:	652056
Ion Ratio	Lower	Upper	
228	100		
226	47.2	22.6	33.8#
229	19.8	15.8	23.6





#82

Chrysene

Concen: 21.547 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Instrument :

BNA_F

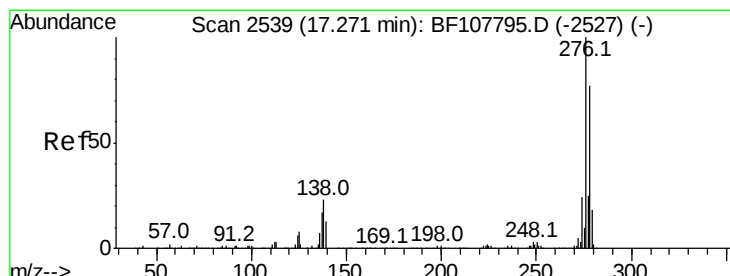
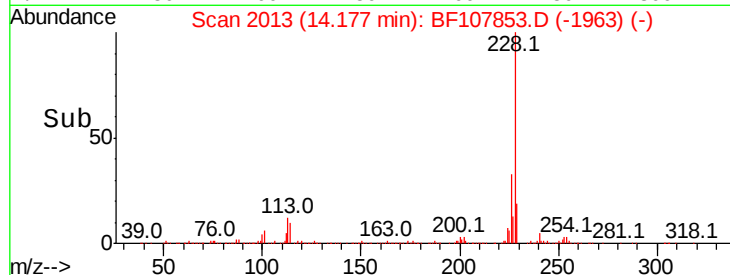
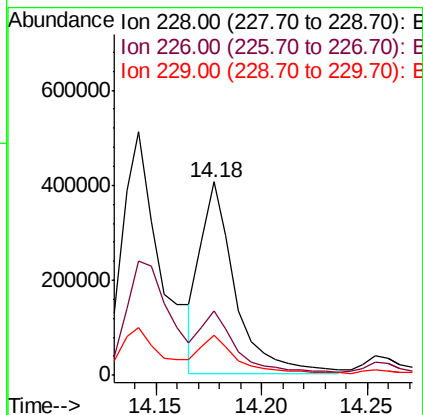
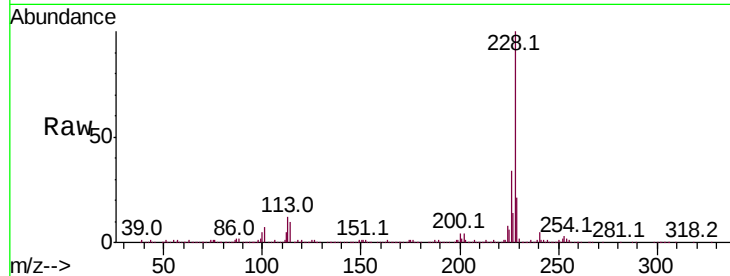
ClientSampleId :

2018-NYSEG-CLARK-AREA-14-6

Tot Ion:	228	Resp:	465223
Ion Ratio	Lower	Upper	
228	100		
226	33.5	25.0	37.6
229	20.7	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.105 ng

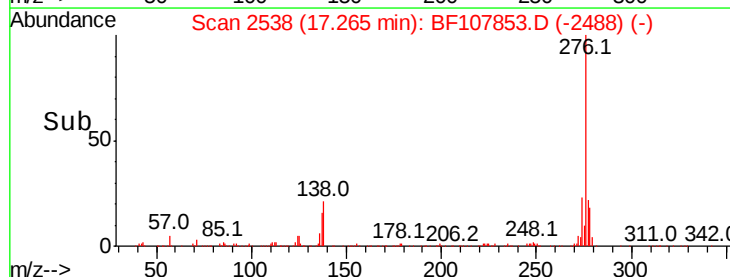
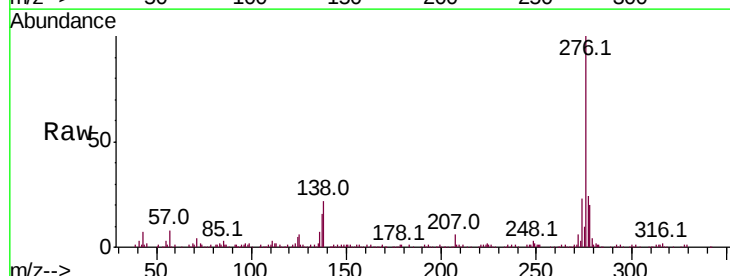
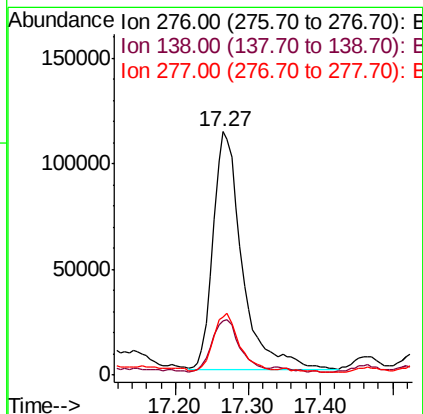
RT: 17.27 min Scan# 2538

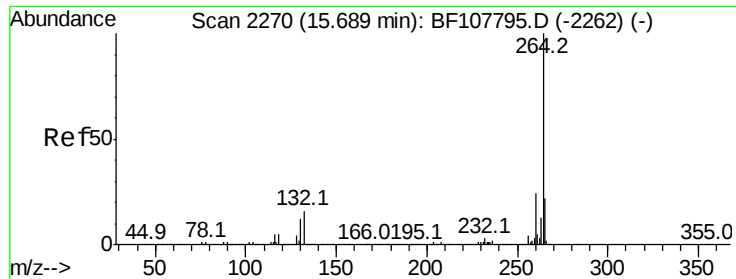
Delta R.T. -0.01 min

Lab File: BF107853.D

Acq: 31 Jul 2018 16:59

Tgt Ion:	276	Resp:	313762
Ion Ratio	Lower	Upper	
276	100		
138	21.7	25.0	37.6#
277	20.9	20.1	30.1





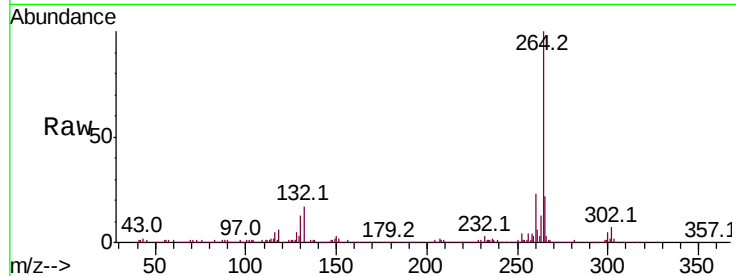
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.3	17.5	26.3

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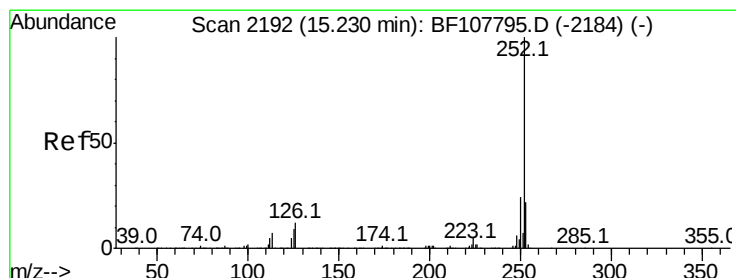
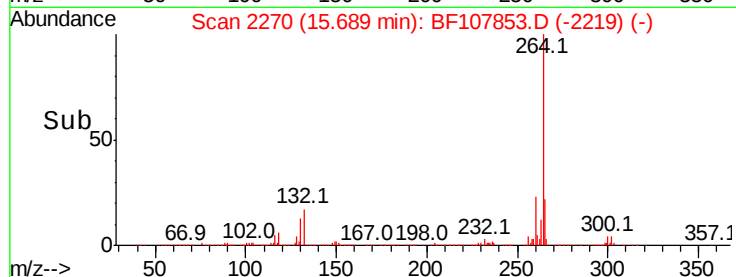
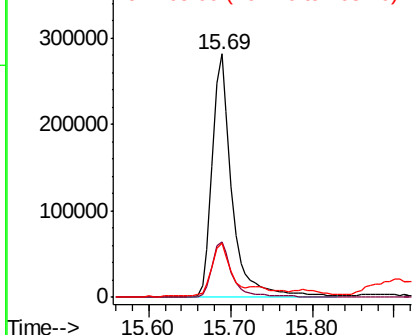


Abundance

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: 22.085 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

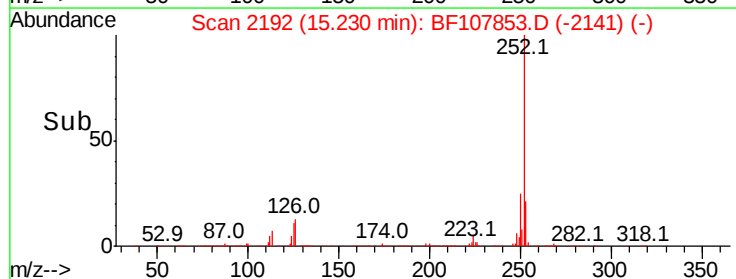
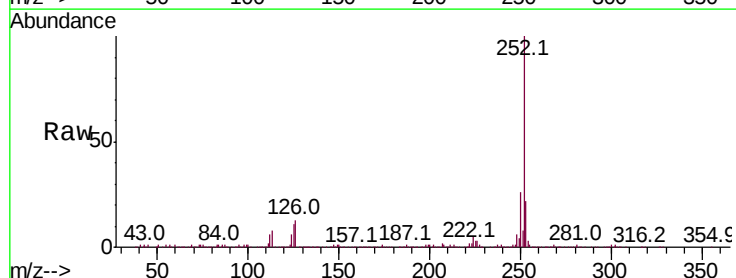
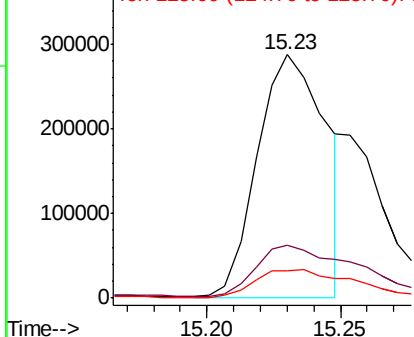
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	11.4	9.0	13.6

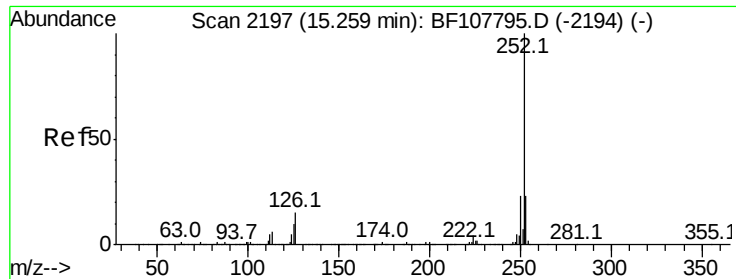
Abundance

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





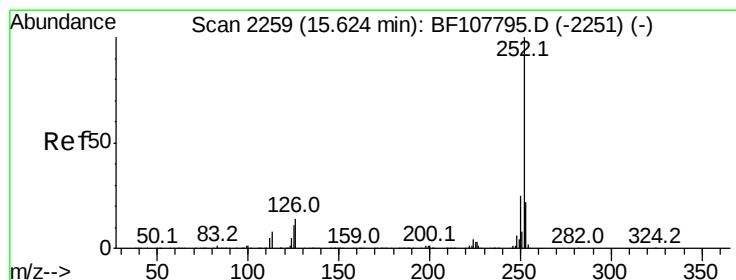
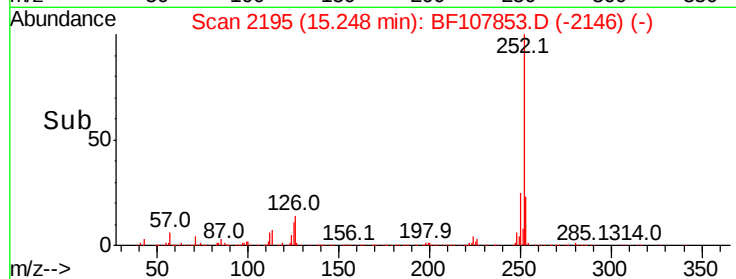
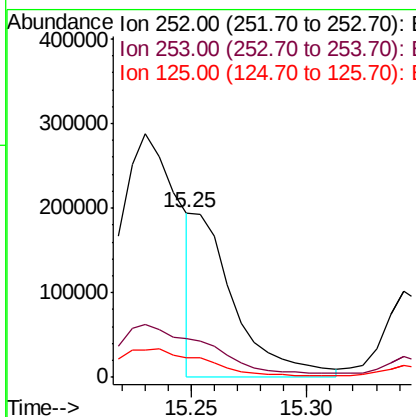
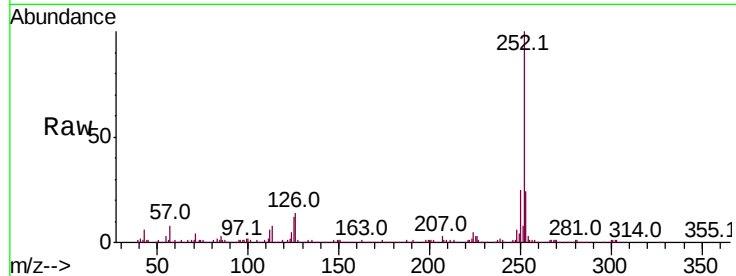
#88
Benzo(k)fluoranthene
Concen: 8.339 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	239254		
253	23.8	17.9	26.9	
125	11.7	10.2	15.2	

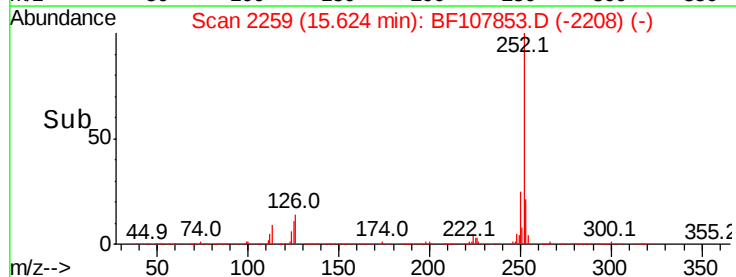
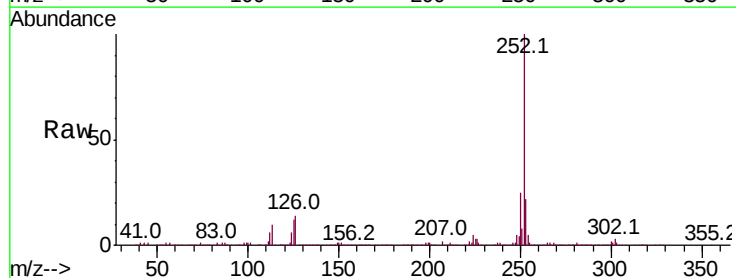
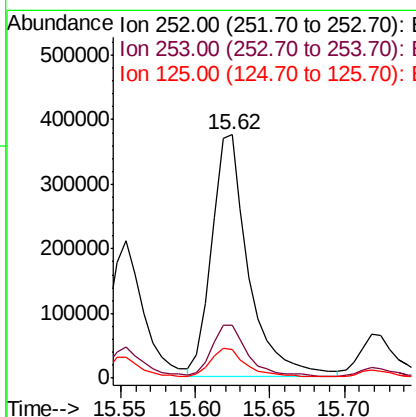
Manual Integrations
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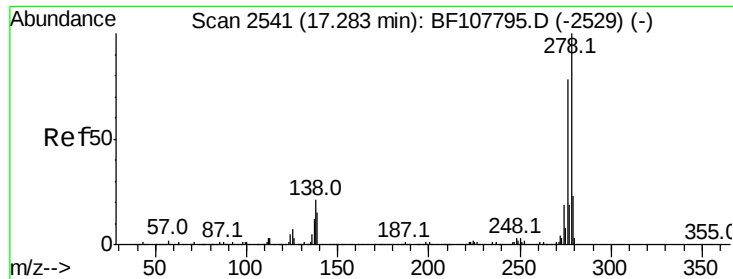
Sohil
8/1/2018 3:57:04 PM



#89
Benzo(a)pyrene
Concen: 26.527 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	639947		
253	22.0	17.1	25.7	
125	12.0	9.8	14.6	





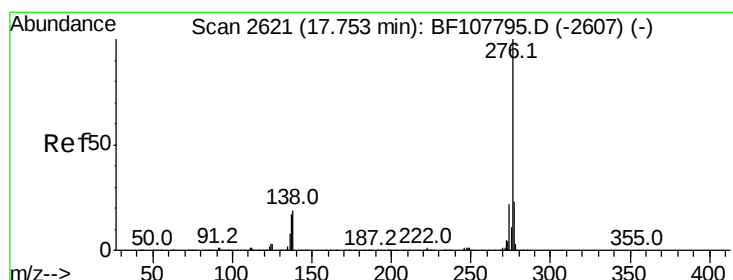
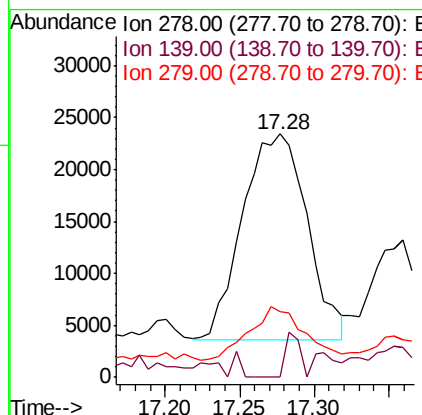
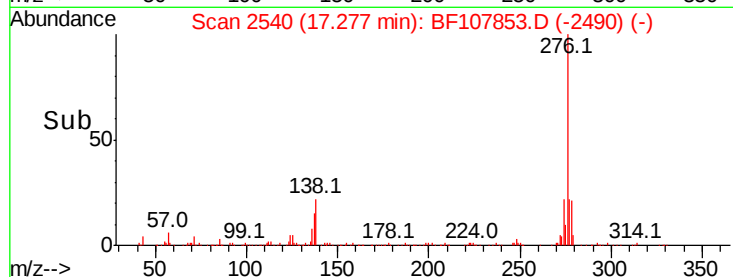
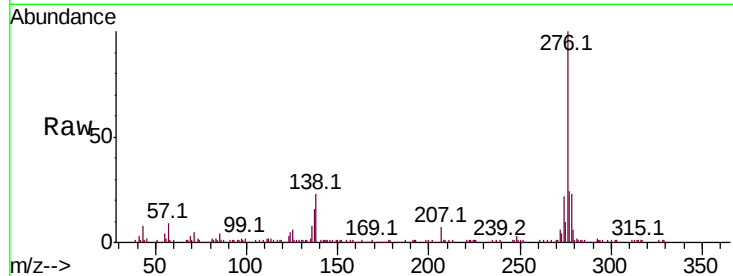
#90
Dibenzo(a,h)anthracene
Concen: 2.823 ng m
RT: 17.28 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.1	19.0	28.4

Manual Integrations
APPROVED

Sohil
8/1/2018 3:57:04 PM



#91
Benzo(g,h,i)perylene
Concen: 15.911 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107853.D
Acq: 31 Jul 2018 16:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	23.0	21.8	32.8

