Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107881.D
Acq On : 1 Aug 2018 8:14
Operator : JU/SJ
Sample : J4231-15DL2 50X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Manual Integrations APPROVED
Sohil
8/1/2018 3:57:52 PM

Quant Time: Aug 01 08:46:20 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	96763	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	512212	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	198416	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	355235	20.00	ng		0.00
75) Chrysene-d12	14.15	240	348177	20.00	ng		0.00
86) Perylene-d12	15.69	264	249730	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.73	112	124	0.02	ng		0.14
7) Phenol-d6	6.68	99	1503	0.20	ng		0.07
23) Nitrobenzene-d5	7.71	82	505	0.06	ng		0.18
41) 2,4,6-Tribromophenol	10.81	330	2649	0.98	ng		0.01
44) 2-Fluorobiphenyl	9.32	172	23070	1.62	ng		0.00
78) Terphenyl-d14	13.08	244	26118	1.63	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.27	128	1254394	52.684	ng		99
37) 2-Methylnaphthalene	8.96	142	173781	11.619	ng		97
45) 1,1'-Biphenyl	9.42	154	92255	5.109	ng		93
51) Acenaphthene	10.04	154	399574	32.584	ng		97
57) Fluorene	10.55	166	159223	10.809	ng		95
70) Phenanthrene	11.52	178	1000279	59.302	ng		99
71) Anthracene	11.58	178	442726	22.756	ng		98
74) Fluoranthene	12.72	202	585835	29.564	ng		96
77) Pyrene	12.95	202	815216	32.515	ng		97
80) Benzo(a)anthracene	14.14	228	203339m	10.310	ng		
82) Chrysene	14.18	228	173283	8.146	ng		99
85) Indeno(1,2,3-cd)pyrene	17.28	276	45460	2.809	ng		98
87) Benzo(b)fluoranthene	15.24	252	94783m	7.696	ng		
88) Benzo(k)fluoranthene	15.25	252	61631m	4.076	ng		
89) Benzo(a)pyrene	15.62	252	124415	9.785	ng		96
91) Benzo(g,h,i)perylene	17.76	276	54336	5.063	ng	#	93

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

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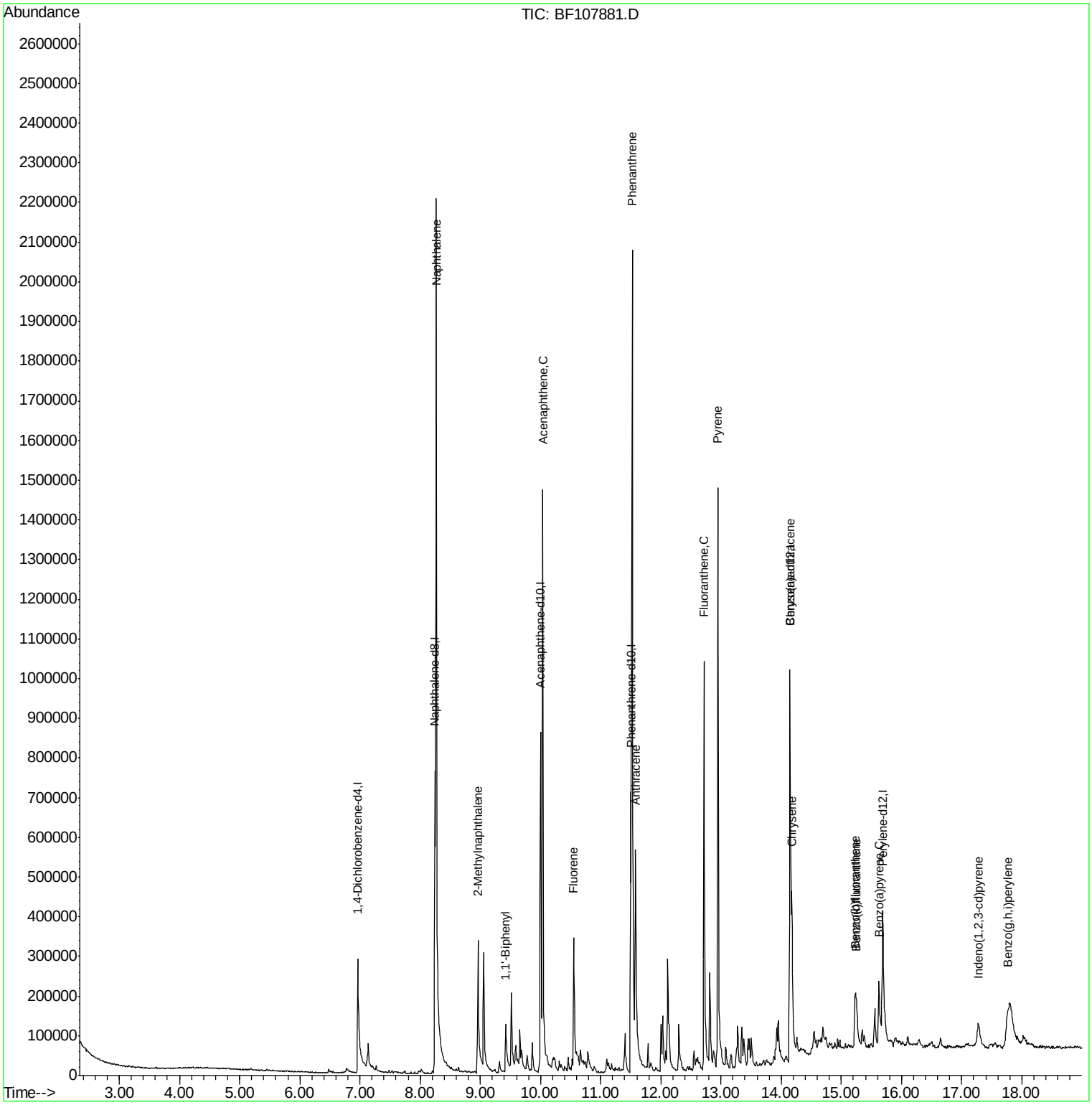
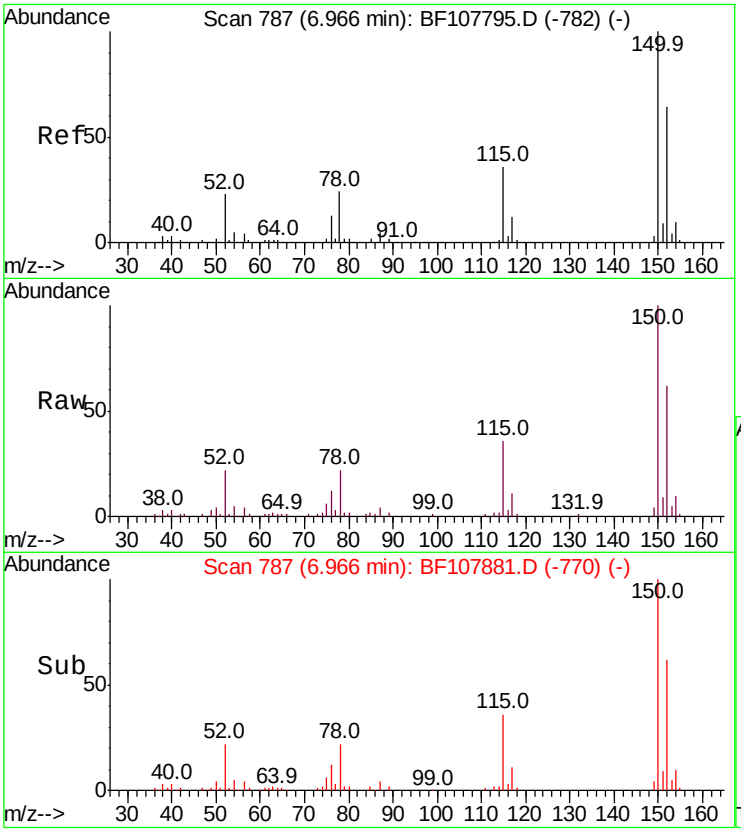
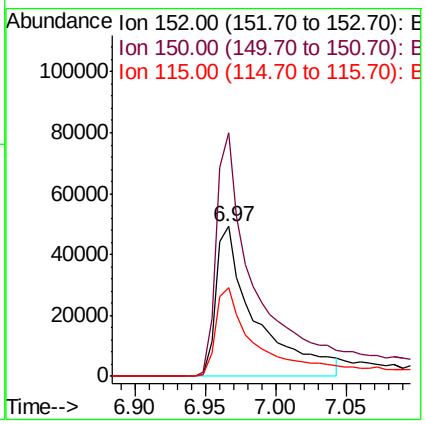




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:152 Resp: 96763

Ion	Ratio	Lower	Upper
152	100		
150	162.5	124.6	186.8
115	58.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

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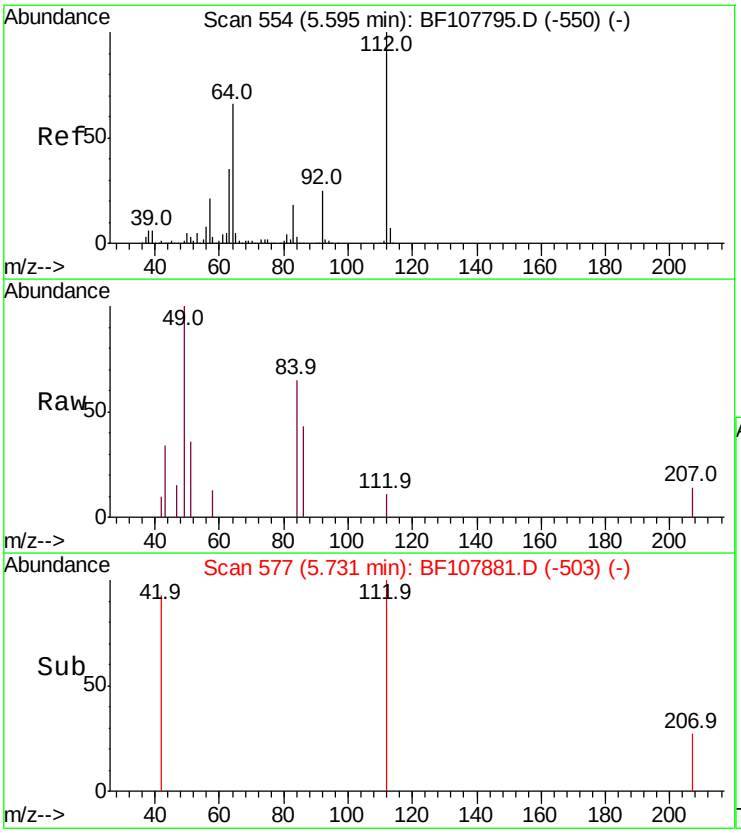
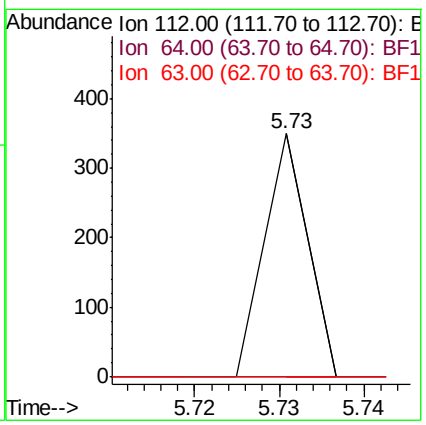
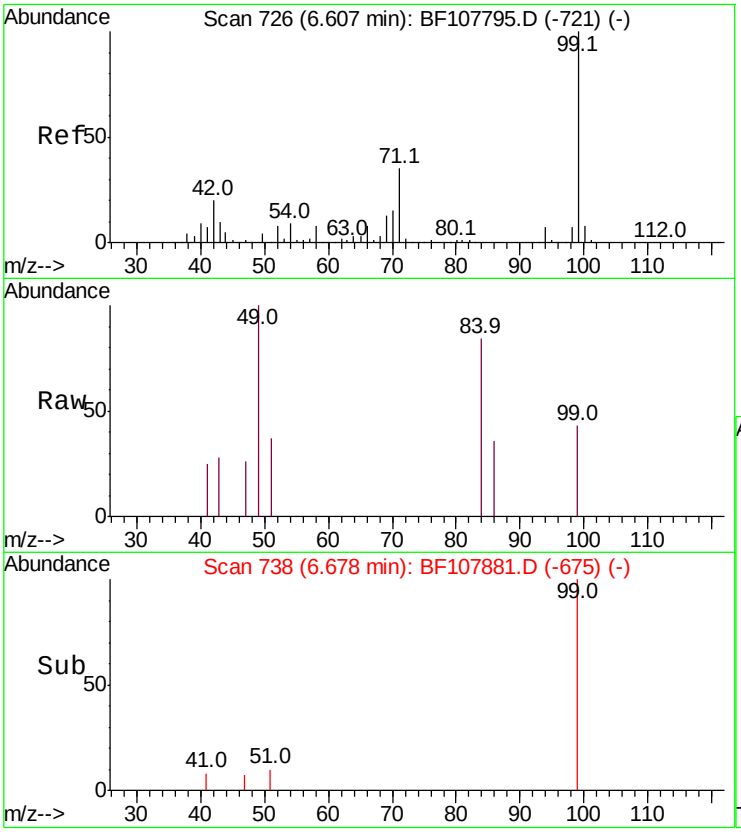


#5
2-Fluorophenol
Concen: 0.022 ng
RT: 5.73 min Scan# 577
Delta R.T. 0.14 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:112 Resp: 124

Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#

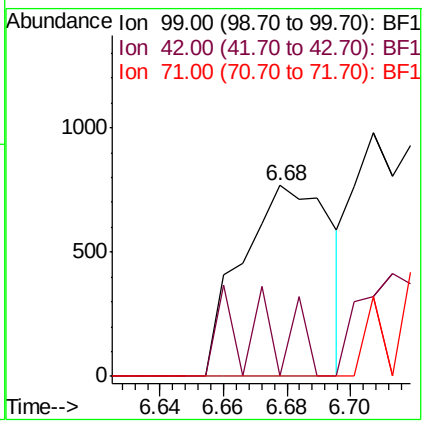




#7
Phenol-d6
Concen: 0.200 ng
RT: 6.68 min Scan# 738
Delta R.T. 0.07 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion: 99 Resp: 1503

Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#



Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

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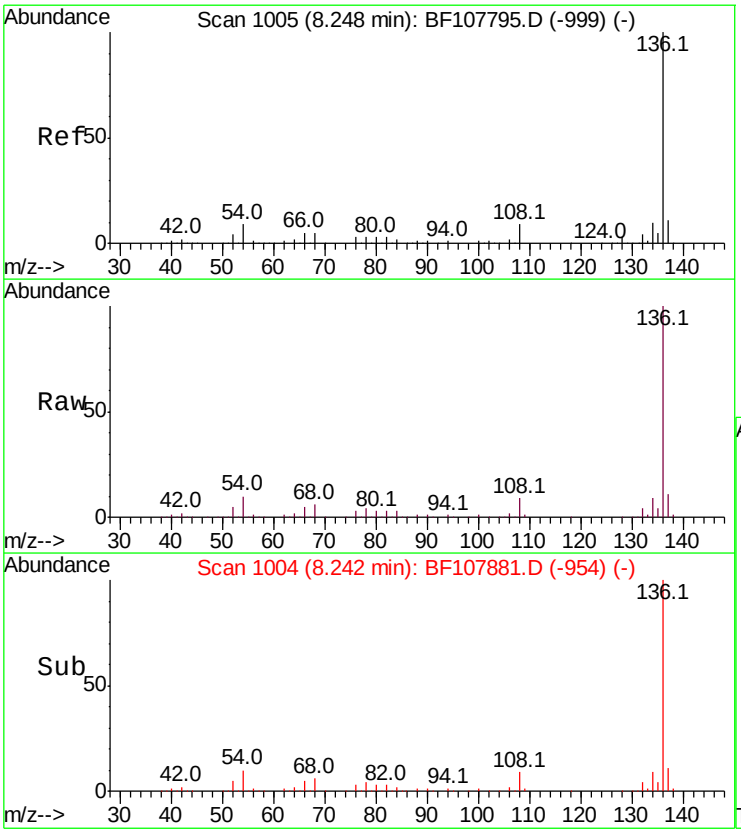
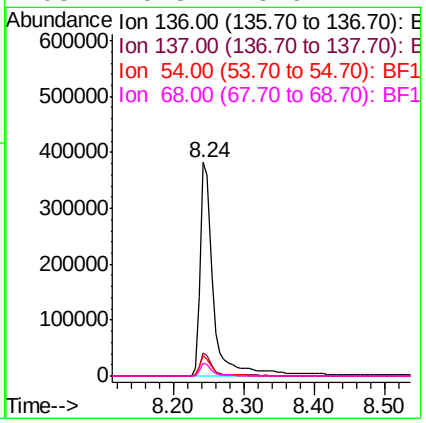
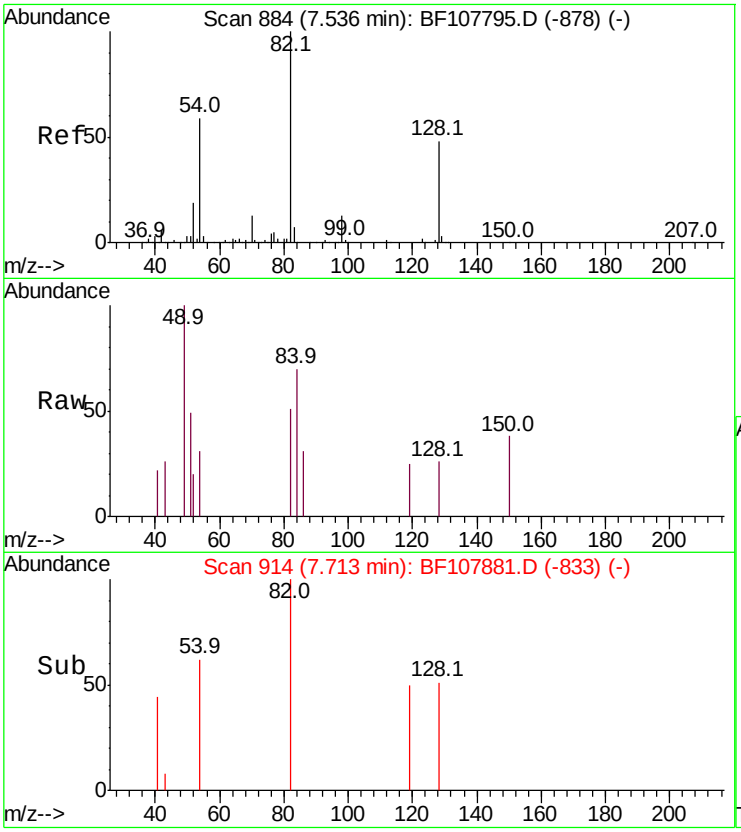


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:136 Resp: 512212

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.5	6.6	9.8
68	6.3	5.0	7.4

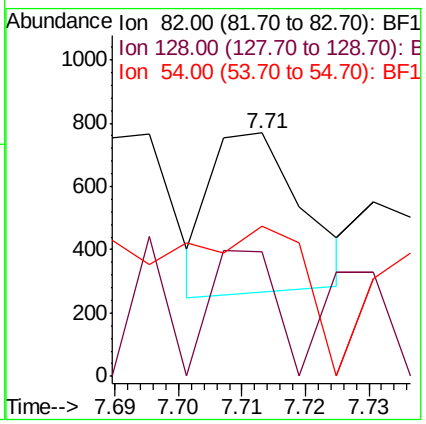




#23
Nitrobenzene-d5
Concen: 0.057 ng
RT: 7.71 min Scan# 914
Delta R.T. 0.18 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion: 82 Resp: 505

Ion	Ratio	Lower	Upper
82	100		
128	51.2	36.1	54.1
54	61.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

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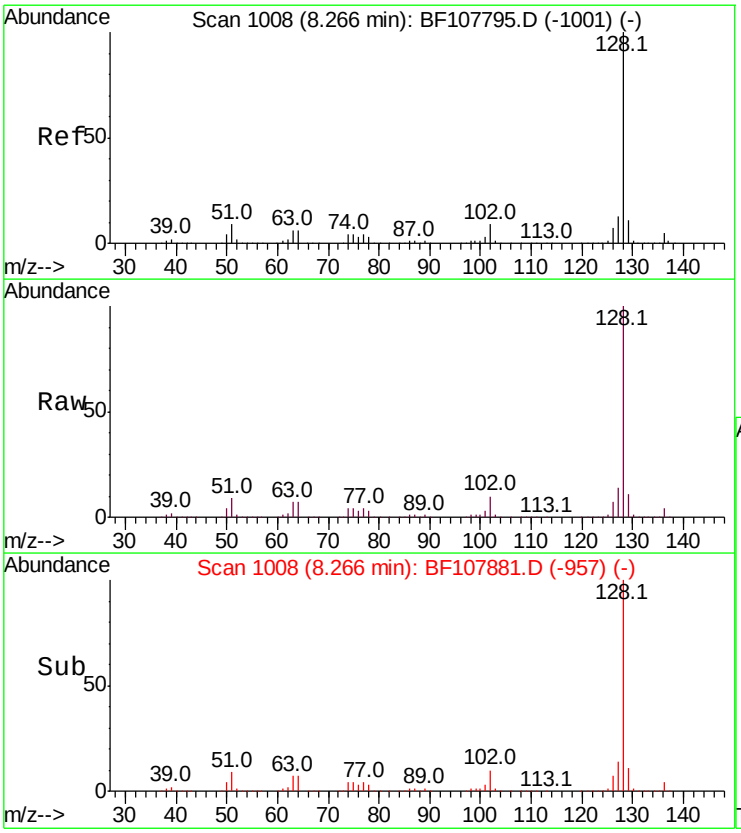
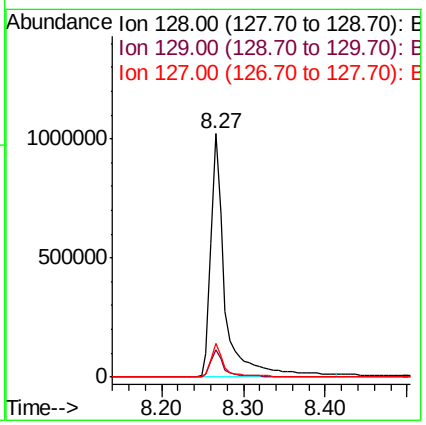
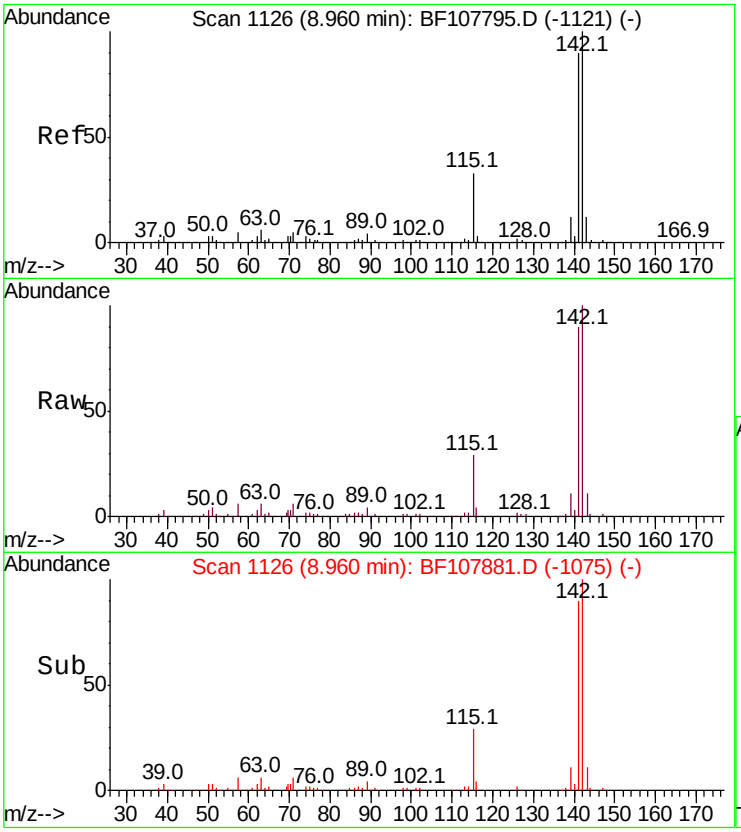


#31
Naphthalene
Concen: 52.684 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:128 Resp: 1254394

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.6	10.9	16.3

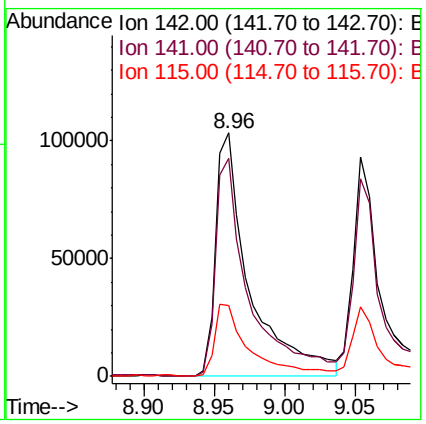




#37
2-Methylnaphthalene
Concen: 11.619 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:142 Resp: 173781

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2
115	29.2	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

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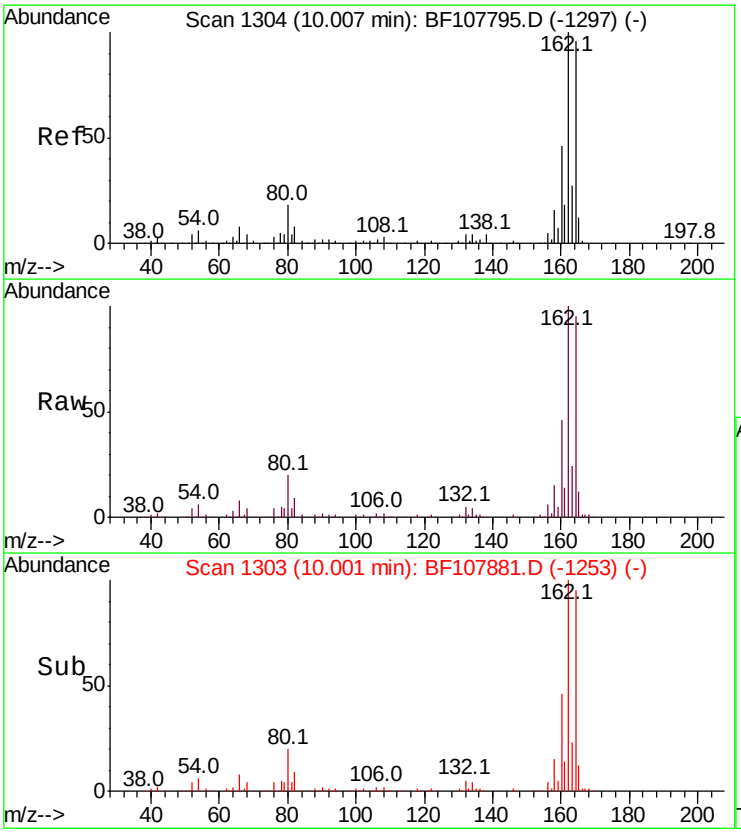
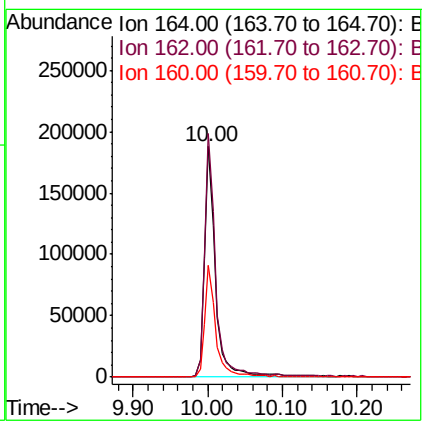
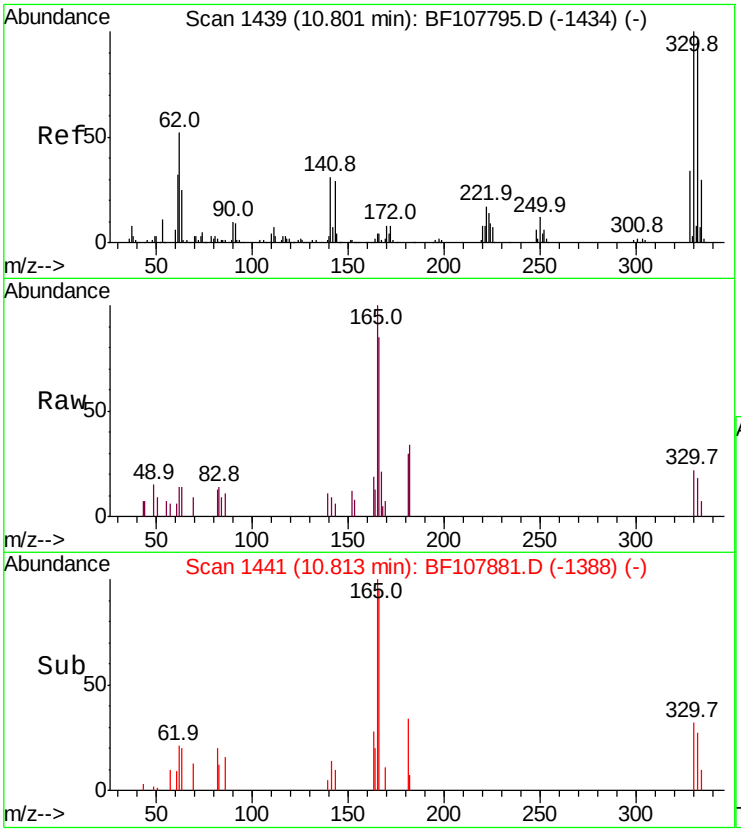


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:164 Resp: 198416

Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	48.3	38.3	57.5

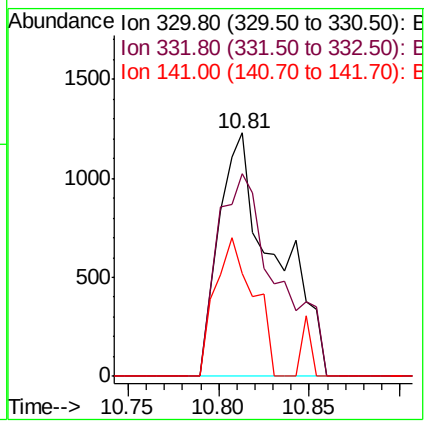




#41
2,4,6-Tribromophenol
Concen: 0.983 ng
RT: 10.81 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:330 Resp: 2649

Ion	Ratio	Lower	Upper
330	100		
332	88.7	77.0	115.6
141	39.1	29.9	44.9



Instrument :
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ClientSampleId :
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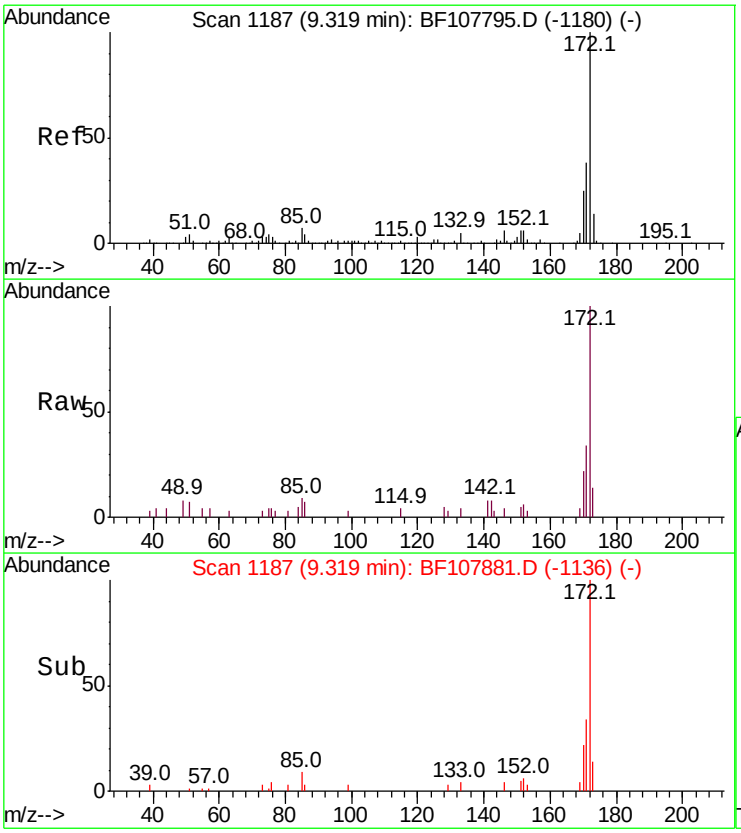
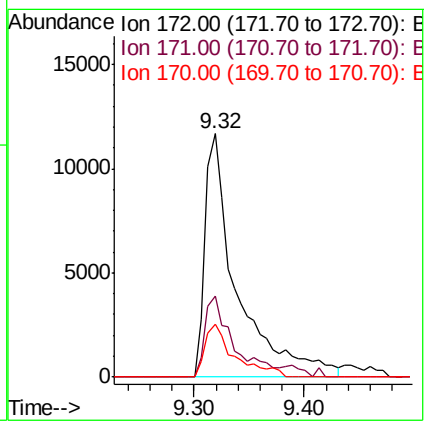
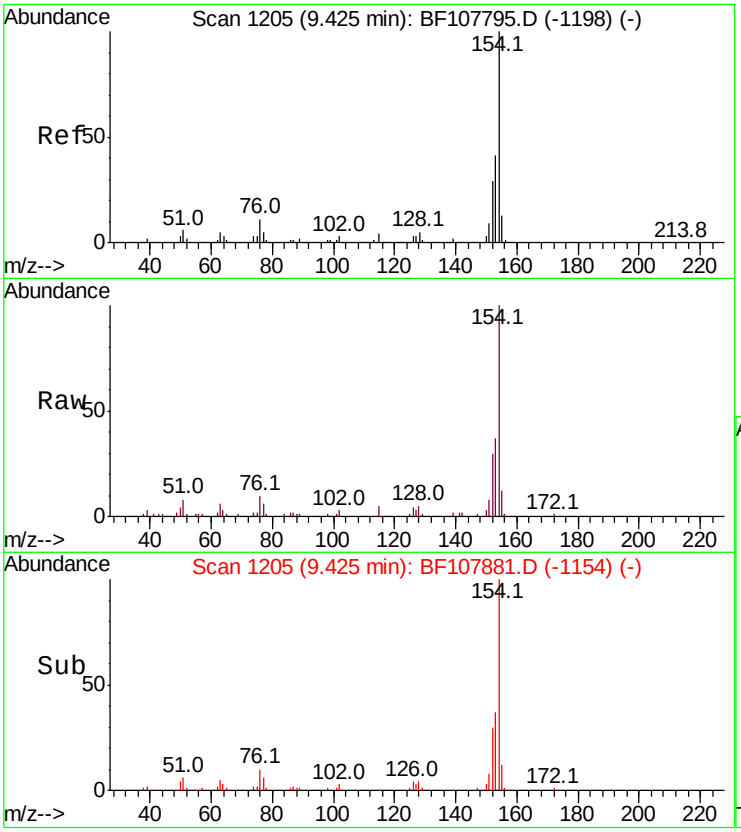


#44
2-Fluorobiphenyl
Concen: 1.620 ng
RT: 9.32 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:172 Resp: 23070

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.7	44.5
170	21.9	19.6	29.4

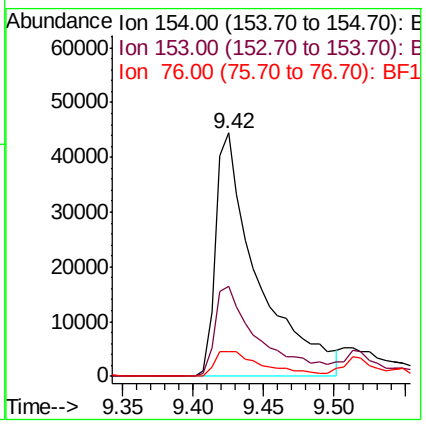




#45
1,1'-Biphenyl
Concen: 5.109 ng
RT: 9.42 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:154 Resp: 92255

Ion	Ratio	Lower	Upper
154	100		
153	37.1	21.3	61.3
76	10.3	0.0	34.0



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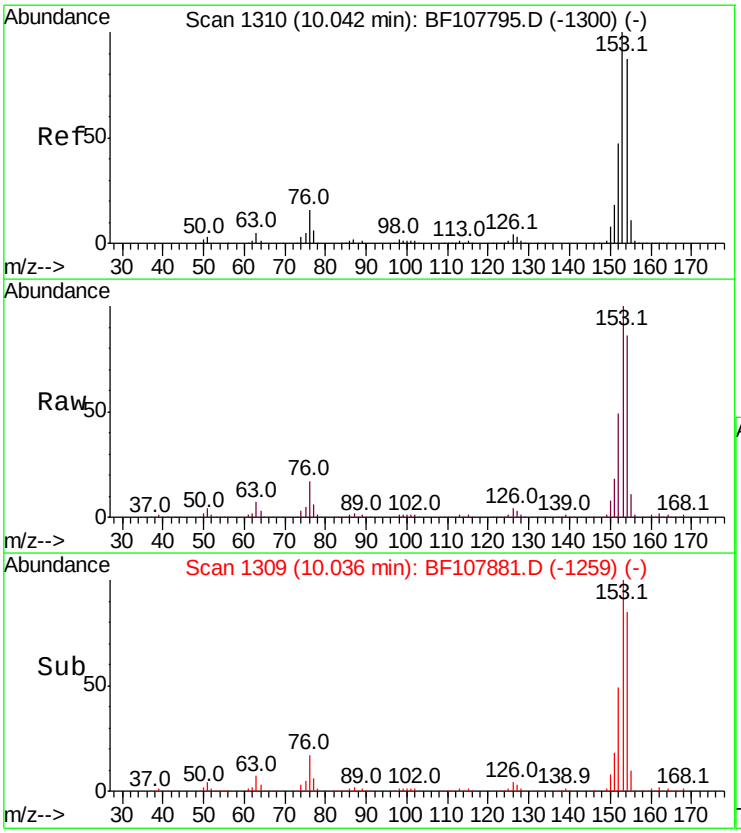
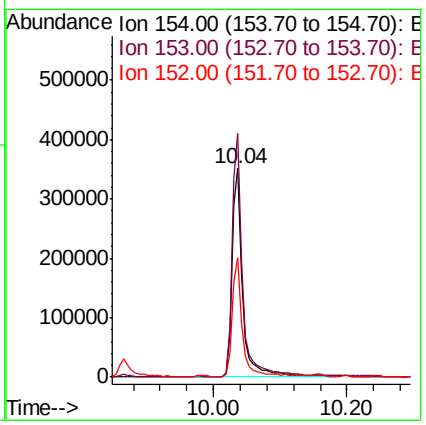
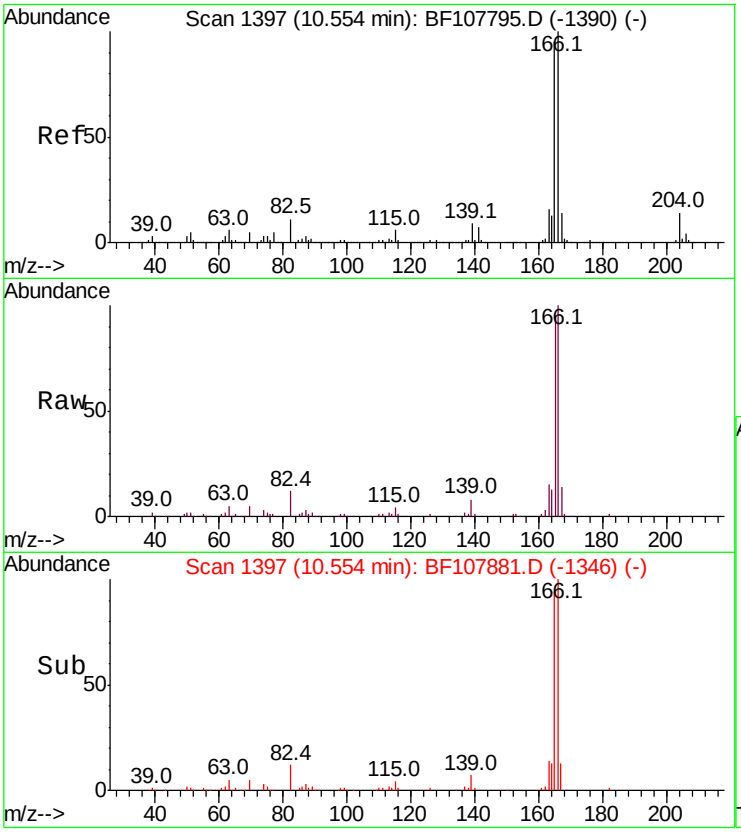


#51
Acenaphthene
Concen: 32.584 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:154 Resp: 399574

Ion	Ratio	Lower	Upper
154	100		
153	116.8	91.2	136.8
152	57.1	43.8	65.8

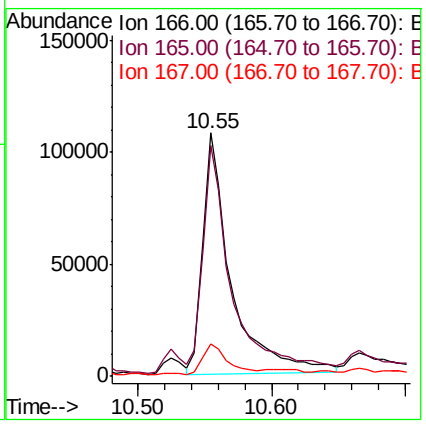




#57
Fluorene
Concen: 10.809 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:166 Resp: 159223

Ion	Ratio	Lower	Upper
166	100		
165	94.6	79.8	119.8
167	13.6	10.6	16.0



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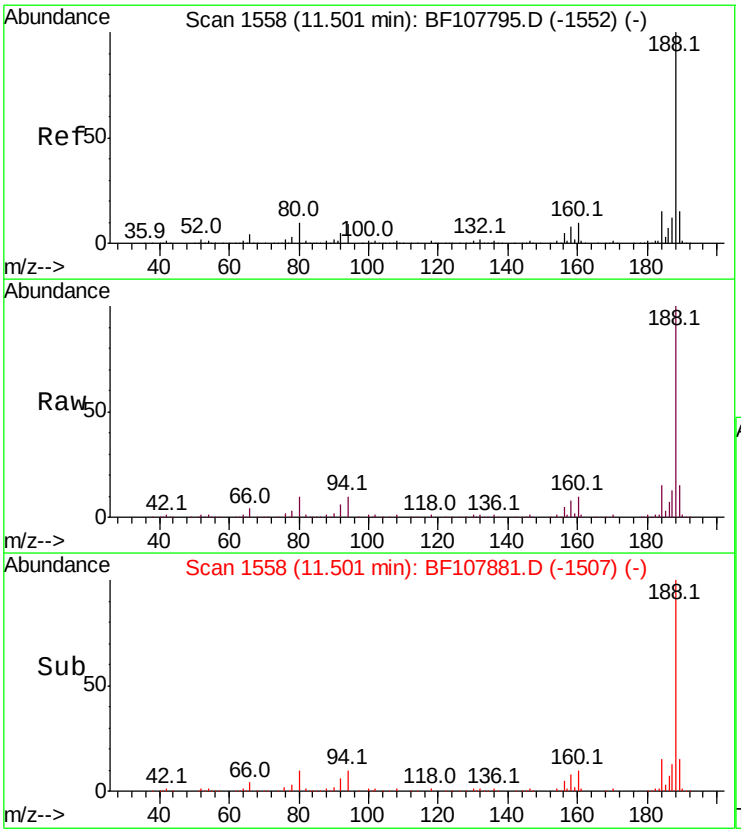
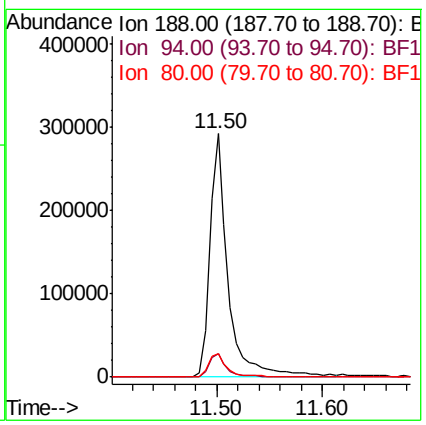
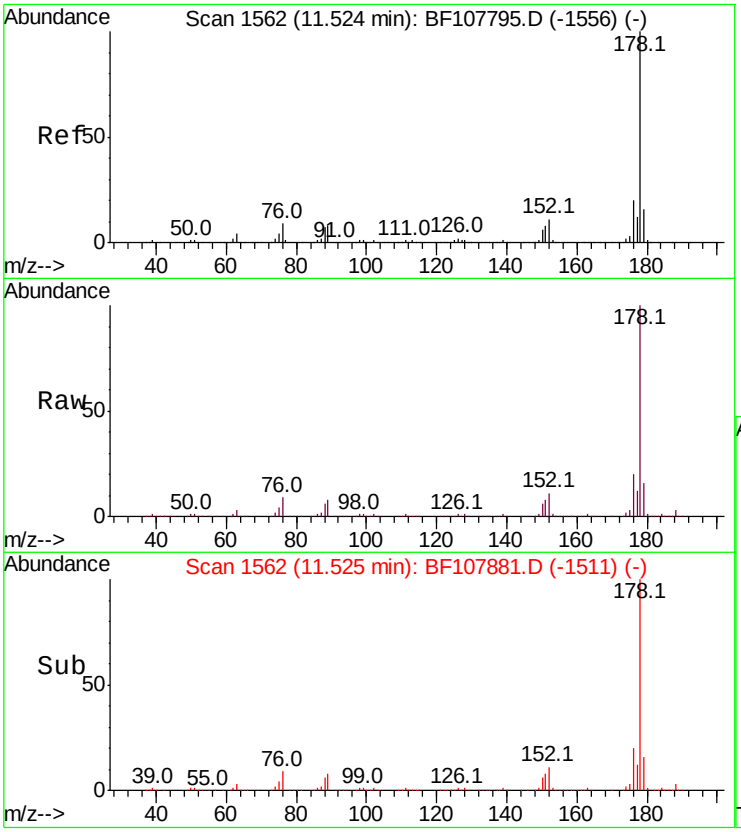


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:188 Resp: 355235

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.9	9.2	13.8





#70
Phenanthrene
Concen: 59.302 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:178 Resp: 1000279

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.8	13.0	19.6

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

Manual Integrations APPROVED
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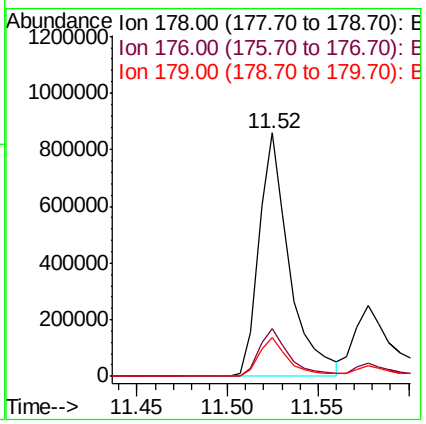
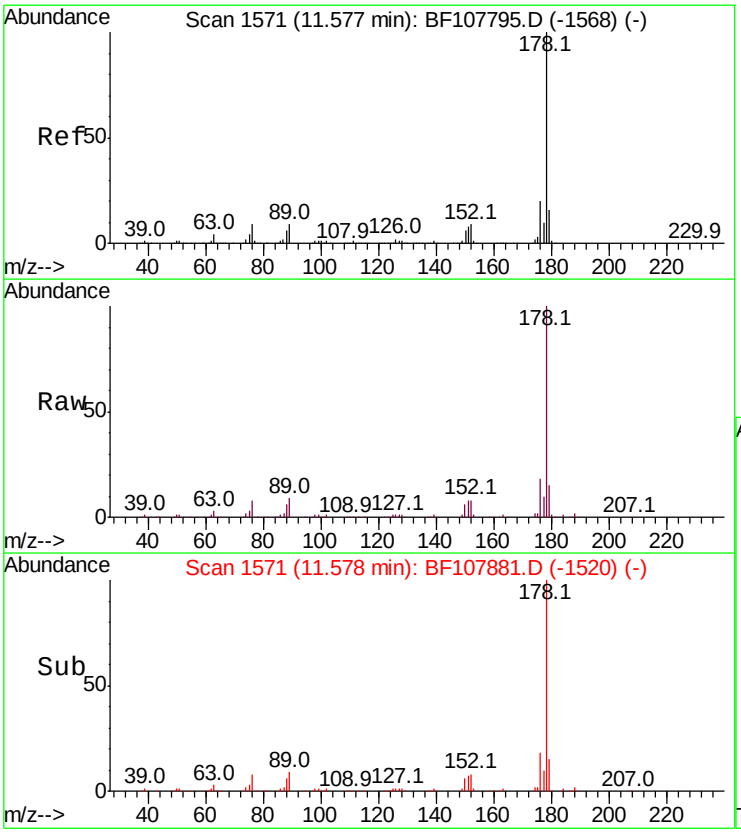
8/1/2018 3:57:52 PM

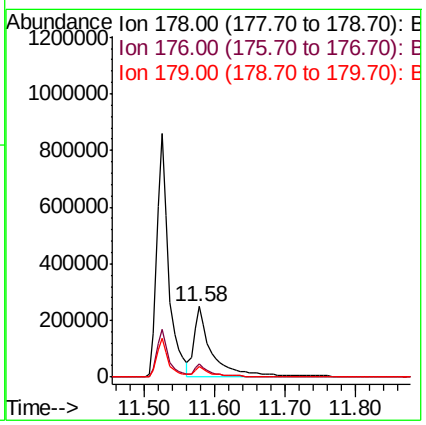


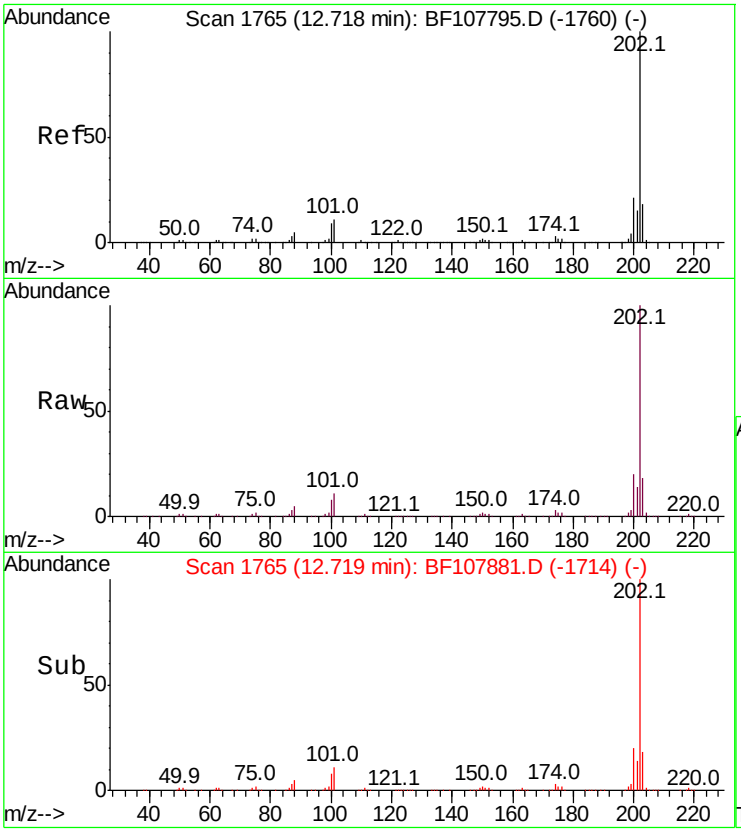


#71
Anthracene
Concen: 22.756 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:178 Resp: 442726

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	19.0

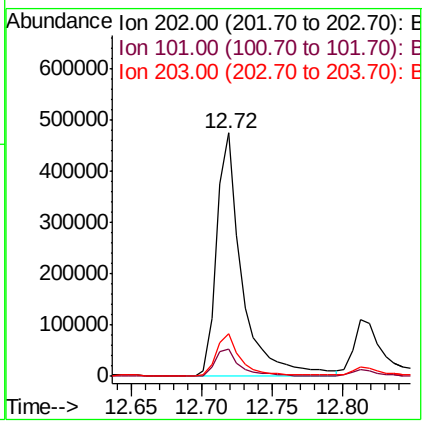




#74
Fluoranthene
Concen: 29.564 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:202 Resp: 585835

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	34.1
203	17.5	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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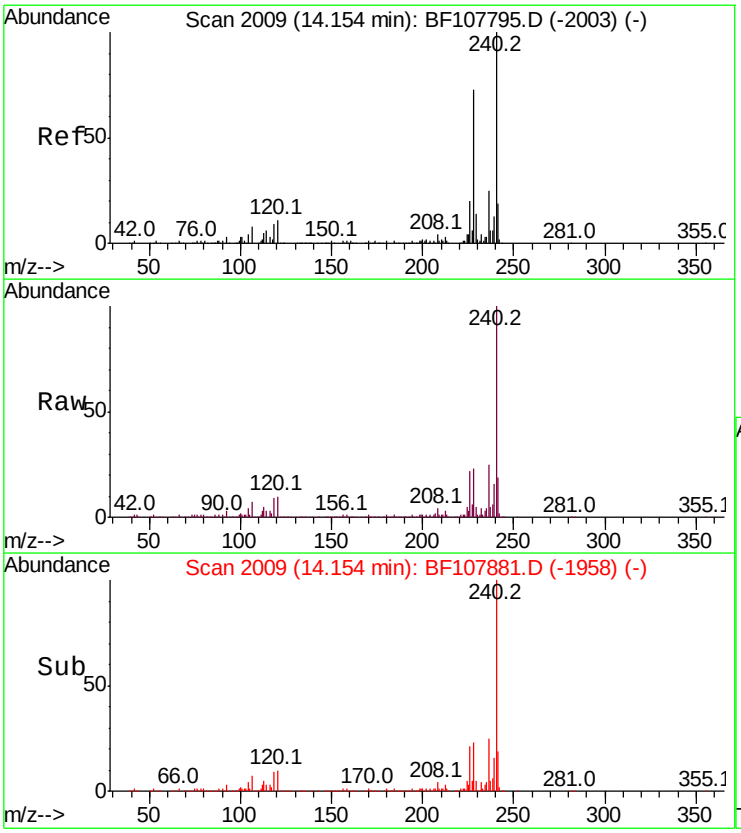
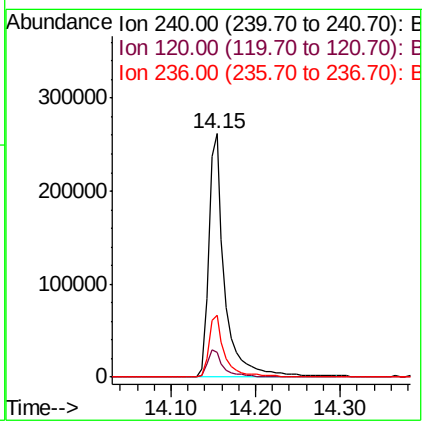
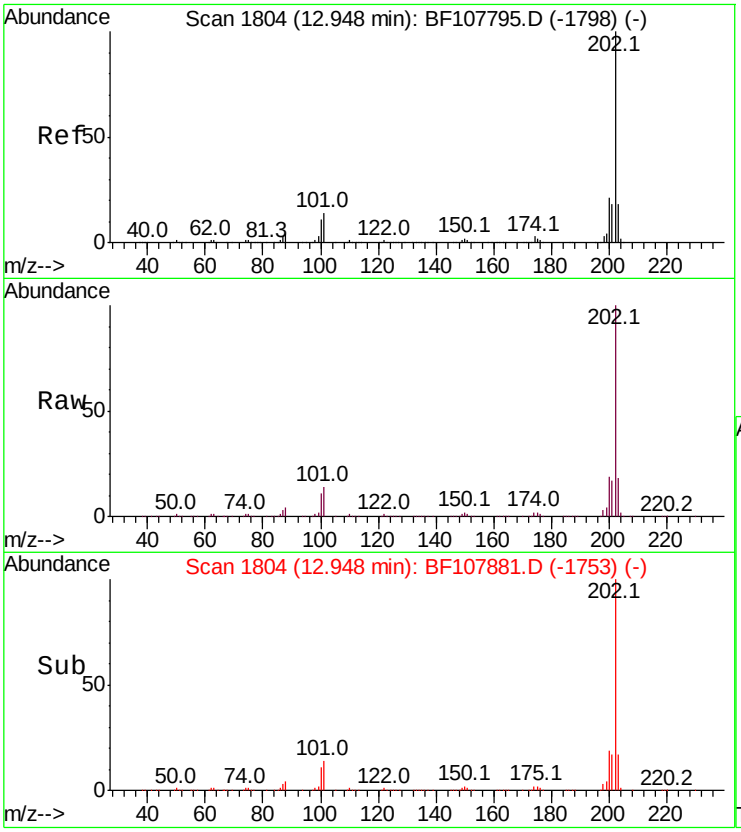


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:240 Resp: 348177

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	25.3	20.7	31.1





#77
Pyrene
Concen: 32.515 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:202 Resp: 815216

Ion	Ratio	Lower	Upper
202	100		
200	19.2	17.4	26.2
203	17.8	14.3	21.5

Instrument :
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ClientSampleId :
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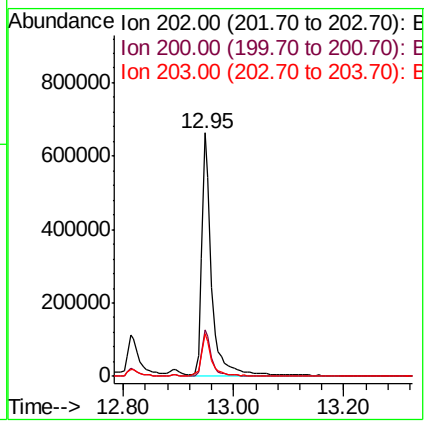
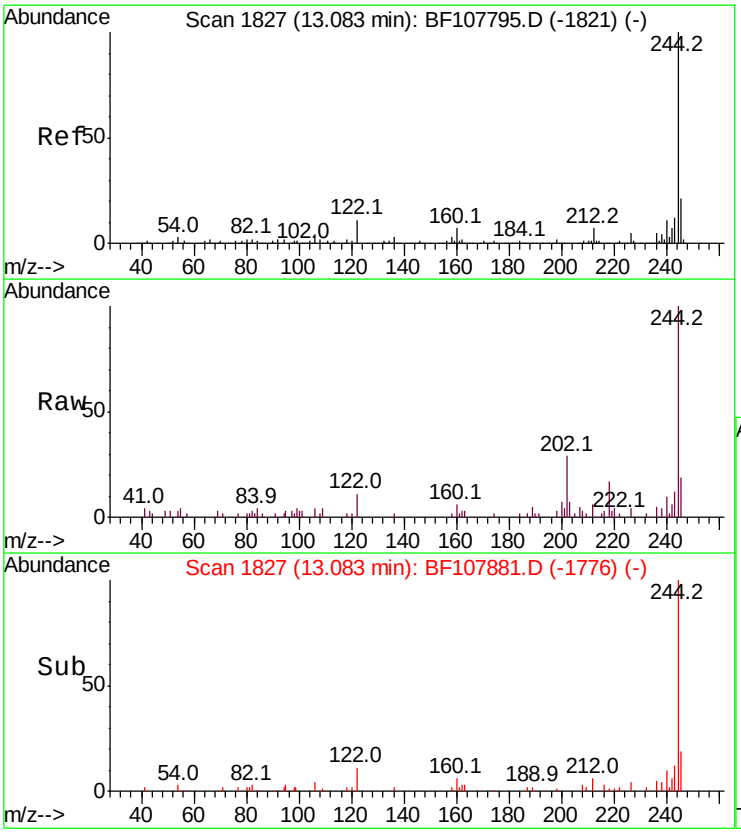
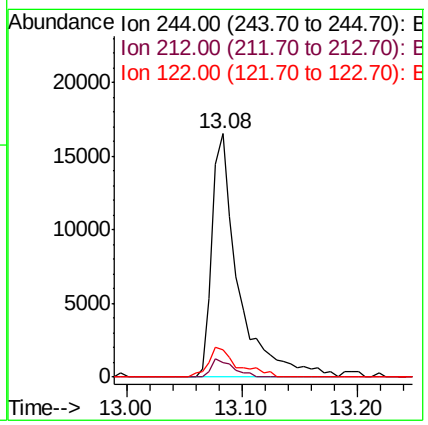


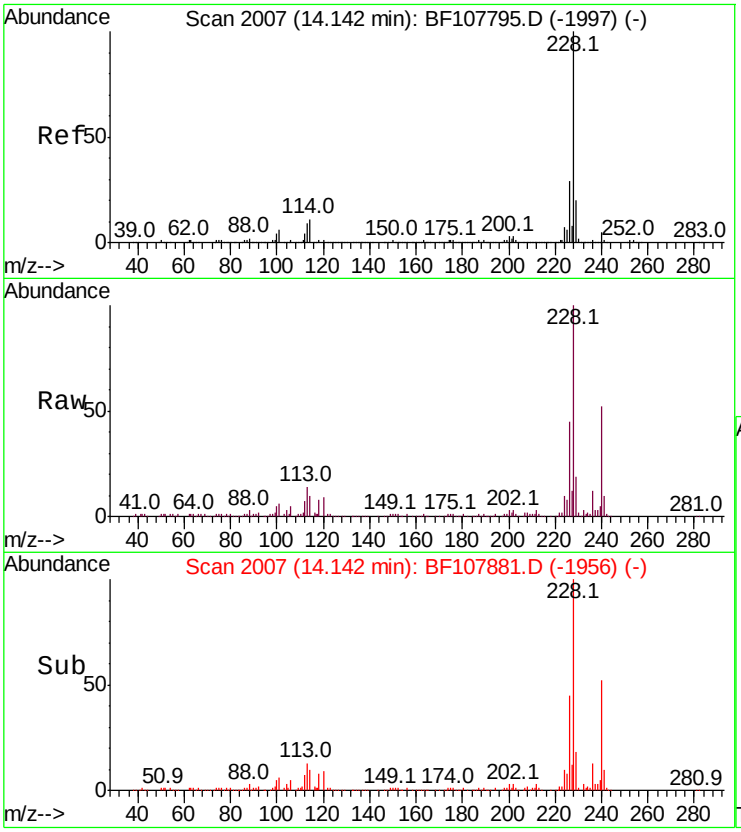


#78
Terphenyl-d14
Concen: 1.627 ng
RT: 13.08 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:244 Resp: 26118

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	11.1	11.0	16.4





#80
Benzo(a)anthracene
Concen: 10.310 ng m
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:228 Resp: 203339

Ion	Ratio	Lower	Upper
228	100		
226	45.1	22.6	33.8#
229	19.0	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
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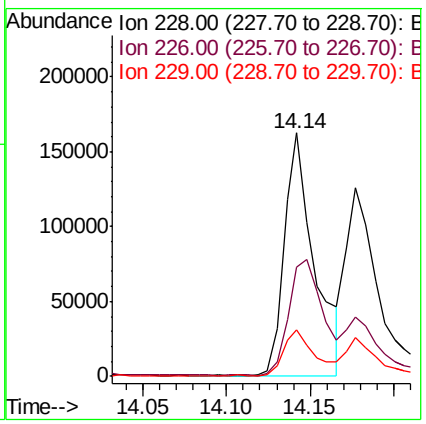
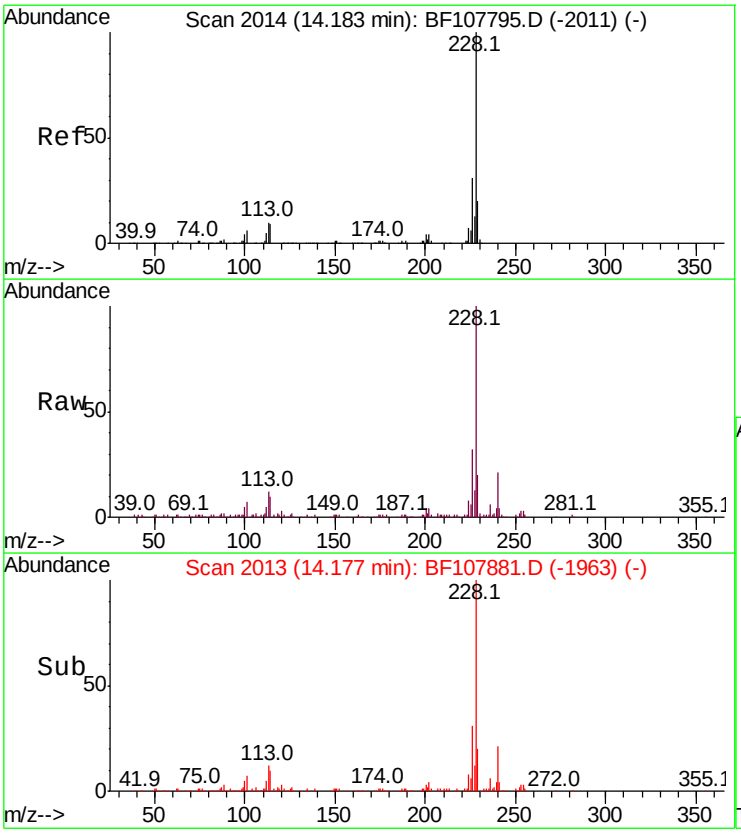
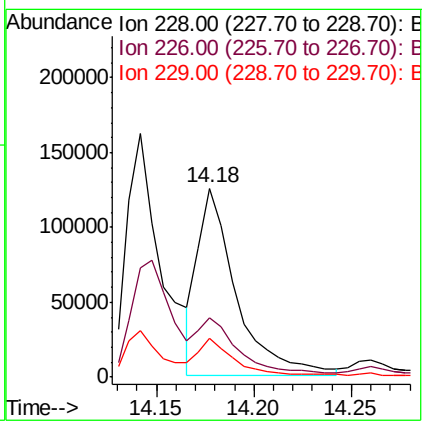


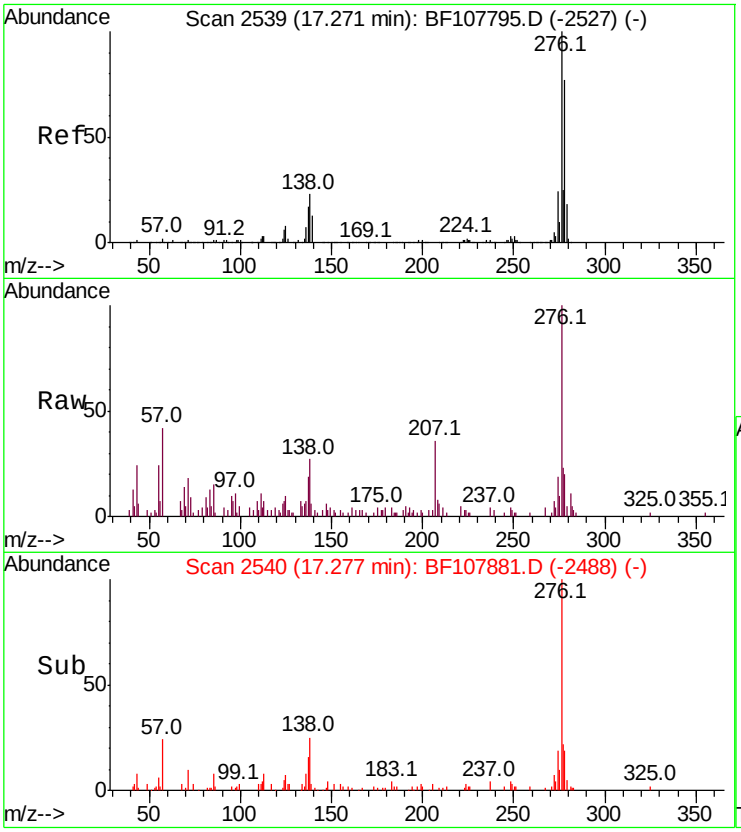


#82
Chrysene
Concen: 8.146 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:228 Resp: 173283

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	20.5	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.809 ng
RT: 17.28 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:276 Resp: 45460

Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	23.5	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
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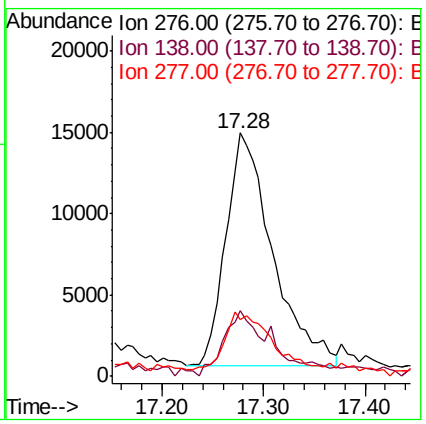
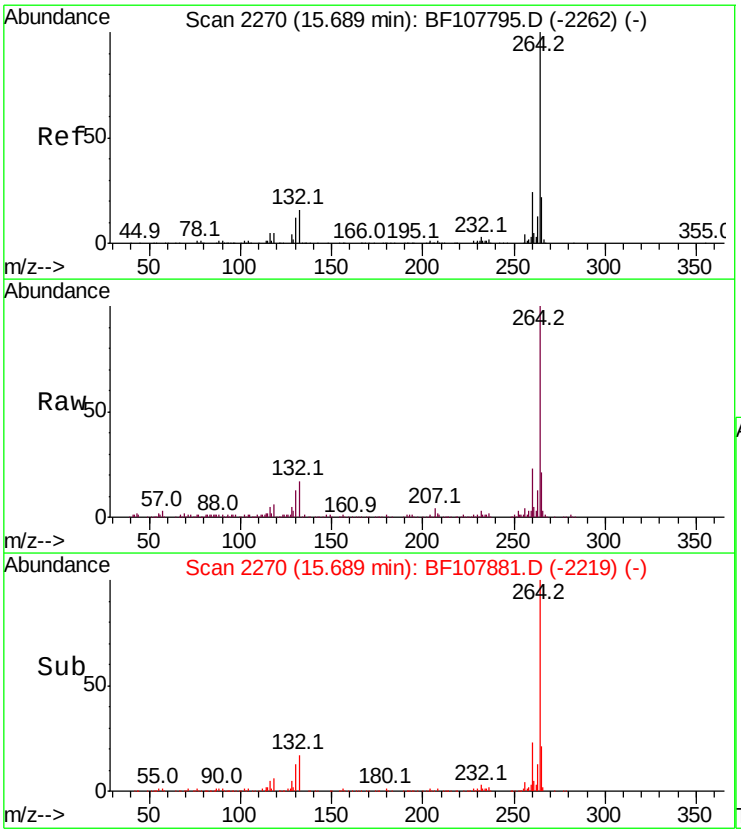
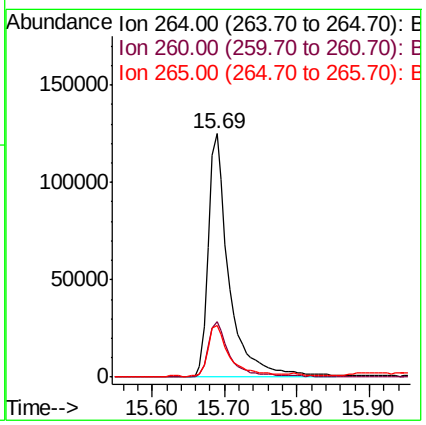


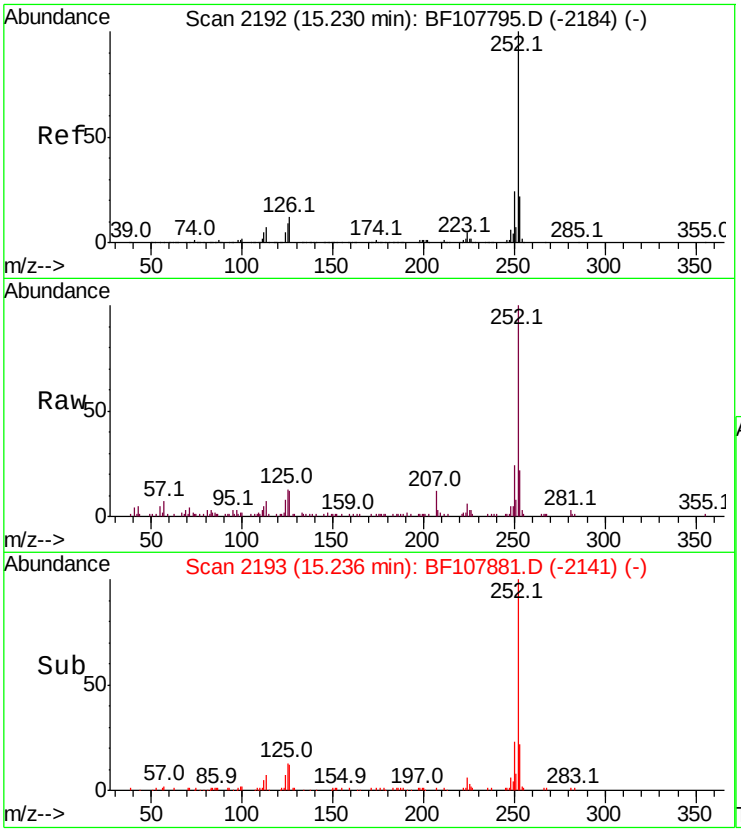


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:264 Resp: 249730

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.4	17.5	26.3

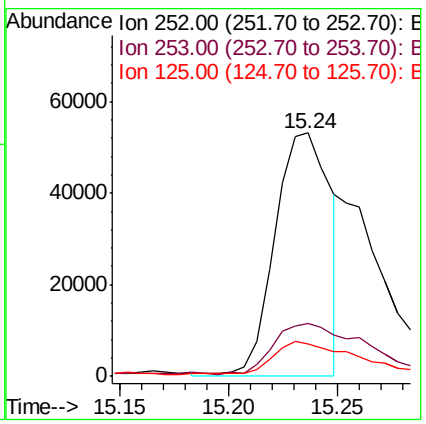




#87
Benzo(b)fluoranthene
Concen: 7.696 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:252 Resp: 94783

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	13.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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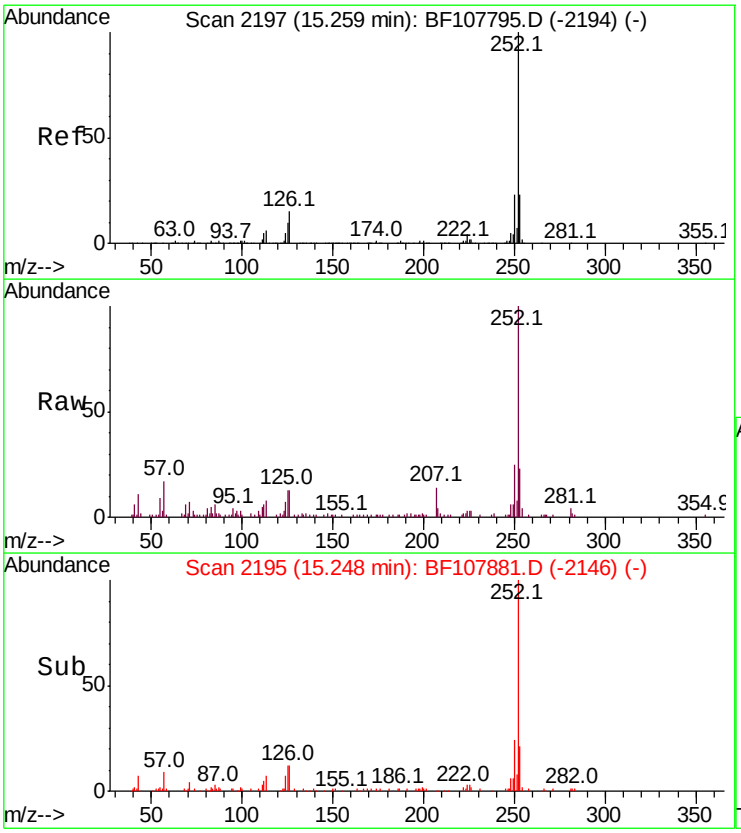
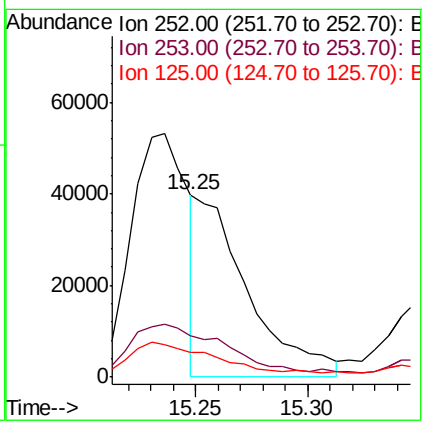
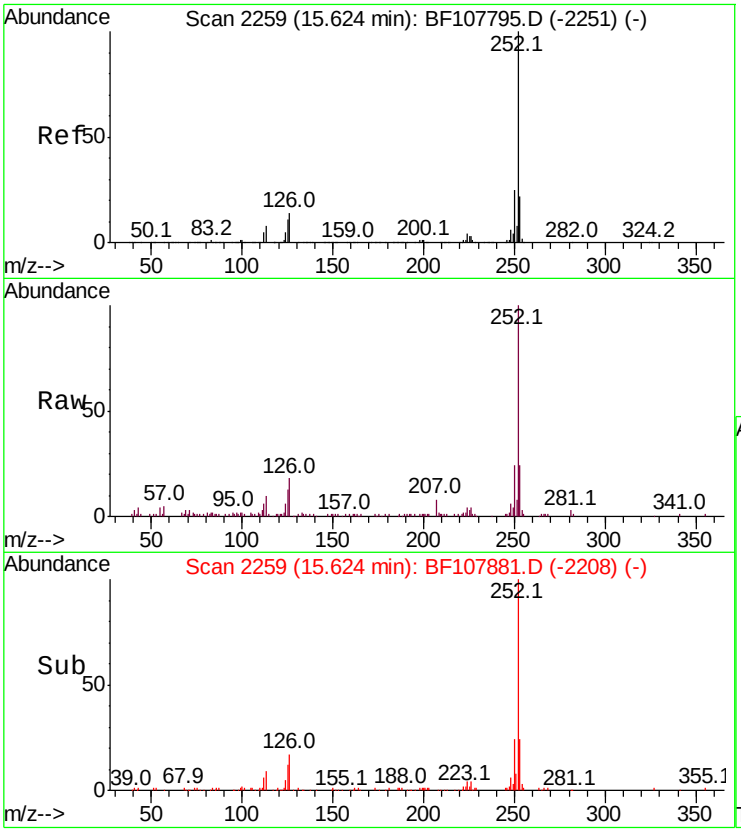


#88
Benzo(k)fluoranthene
Concen: 4.076 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:252 Resp: 61631

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.4	10.2	15.2





#89
Benzo(a)pyrene
Concen: 9.785 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:252 Resp: 124415

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	12.7	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-8DL

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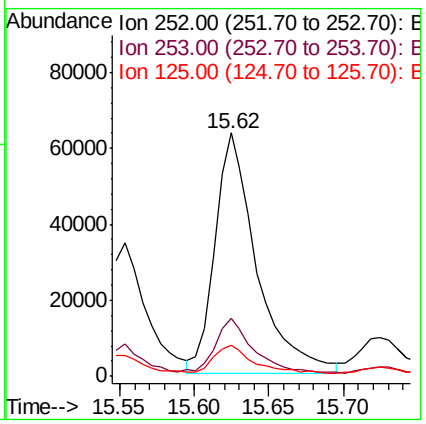

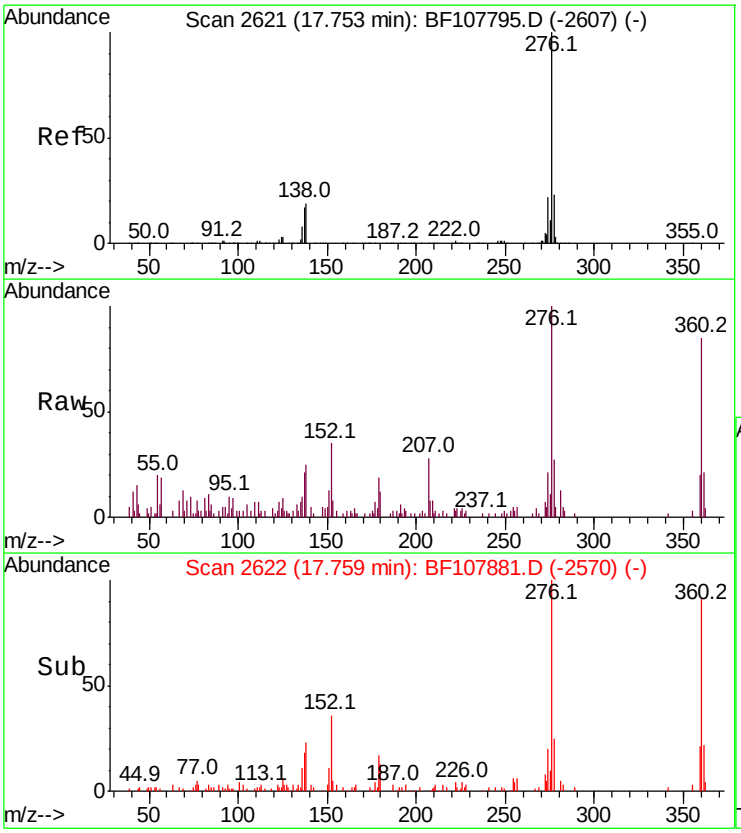

#91
Benzo(g,h,i)perylene
Concen: 5.063 ng
RT: 17.76 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BF107881.D
Acq: 1 Aug 2018 8:14

Tgt Ion:276 Resp: 54336

Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	24.6	21.8	32.8