Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109985.D
Acq On : 19 Oct 2018 3:18
Operator : JU/SJ
Sample : J5204-05 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-A

Manual Integrations APPROVED
Sohil
10/19/2018 12:15:09 PM

Quant Time: Oct 19 11:04:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	208443	20.00	ng		0.00
21) Naphthalene-d8	8.26	136	788558	20.00	ng		-0.01
39) Acenaphthene-d10	10.02	164	314521	20.00	ng		0.00
64) Phenanthrene-d10	11.51	188	511167	20.00	ng		0.00
76) Chrysene-d12	14.16	240	380915	20.00	ng		0.00
87) Perylene-d12	15.69	264	293022	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	646297	49.15	ng		0.00
7) Phenol-d6	6.59	99	814710	49.89	ng		-0.01
23) Nitrobenzene-d5	7.53	82	475024	40.58	ng		-0.02
42) 2,4,6-Tribromophenol	10.81	330	141589	52.00	ng		0.00
45) 2-Fluorobiphenyl	9.33	172	738349	37.46	ng		0.00
79) Terphenyl-d14	13.09	244	562451	31.01	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.60	94	81709	4.635	ng	#	62
31) Naphthalene	8.28	128	327292	9.051	ng		99
37) 2-Methylnaphthalene	8.97	142	143791	6.141	ng		95
38) 1-Methylnaphthalene	9.07	142	294260	12.969	ng		99
49) Acenaphthylene	9.88	152	86146	2.873	ng	#	94
50) Dimethylphthalate	9.72	163	105173	4.722	ng		99
52) Acenaphthene	10.05	154	196416	10.288	ng		98
55) Dibenzofuran	10.22	168	194728	7.152	ng		97
58) Fluorene	10.57	166	317033	15.996	ng		99
71) Phenanthrene	11.54	178	1384750	52.327	ng		99
72) Anthracene	11.59	178	418714	15.738	ng		98
73) Carbazole	11.74	167	88357	3.379	ng		98
75) Fluoranthene	12.73	202	1109409	41.965	ng		98
78) Pyrene	12.96	202	1047803	37.452	ng		99
81) Benzo(a)anthracene	14.14	228	448883	20.006	ng		97
83) Chrysene	14.18	228	386113	18.079	ng		98
86) Indeno(1,2,3-cd)pyrene	17.24	276	133159	7.744	ng		97
88) Benzo(b)fluoranthene	15.23	252	339459m	20.094	ng		
89) Benzo(k)fluoranthene	15.26	252	139053m	8.351	ng		
90) Benzo(a)pyrene	15.62	252	267388	17.210	ng		98
91) Dibenzo(a,h)anthracene	17.25	278	36725	2.667	ng	#	77
92) Benzo(g,h,i)perylene	17.72	276	121023	8.699	ng	#	95

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

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Sample : J5204-05 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 19 11:04:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

Manual Integrations APPROVED
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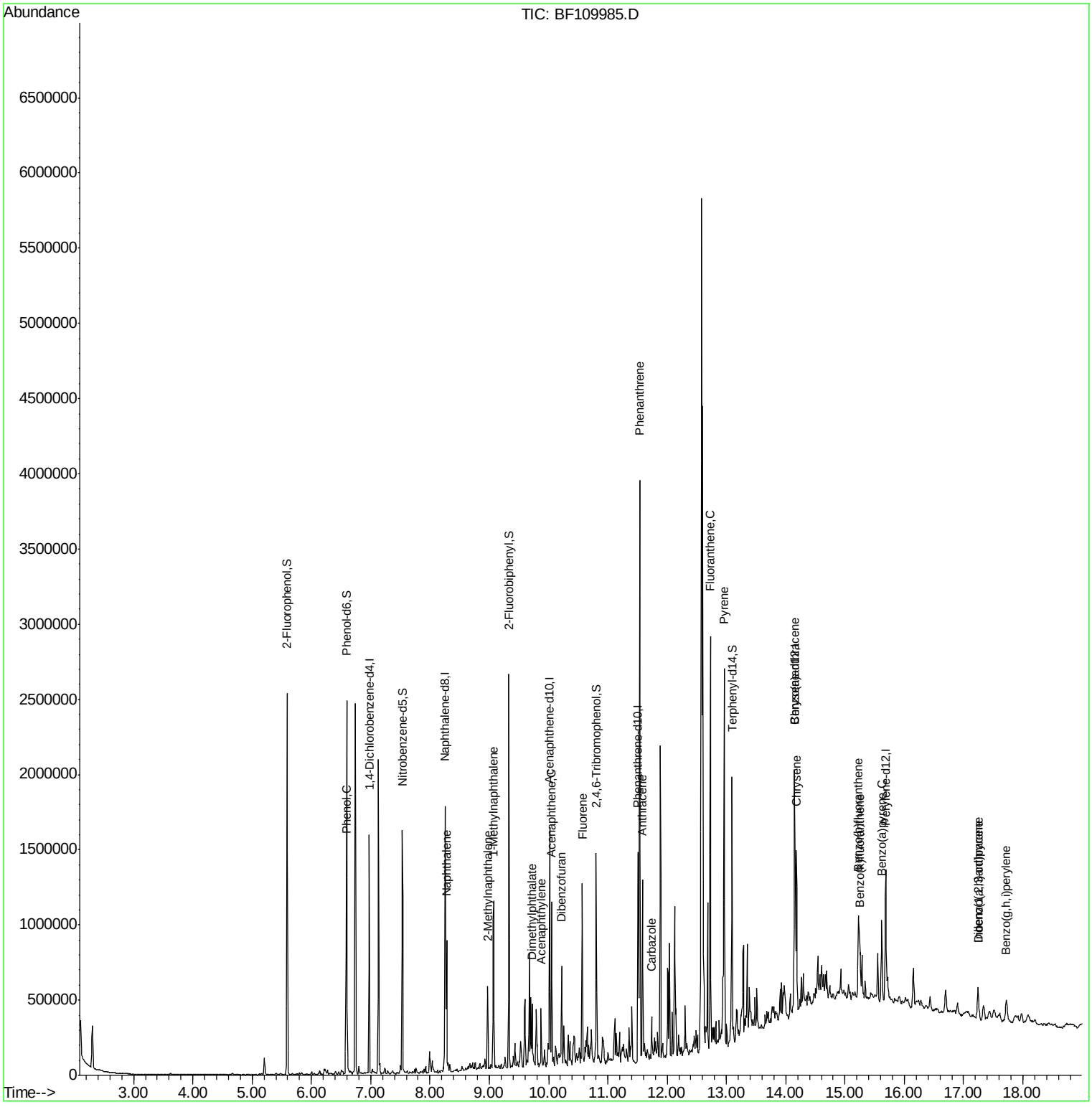
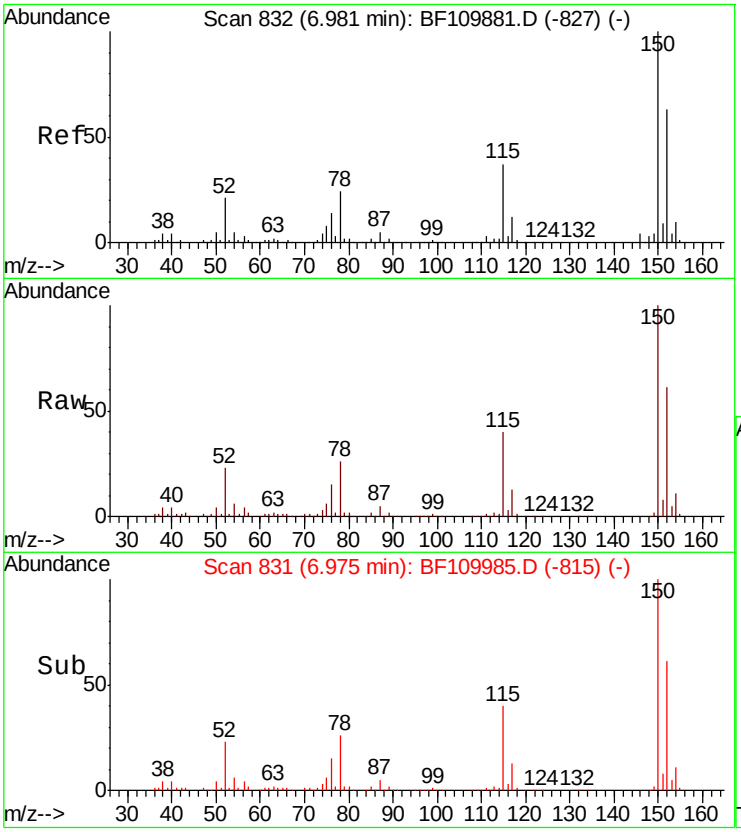
10/19/2018 12:15:09 PM

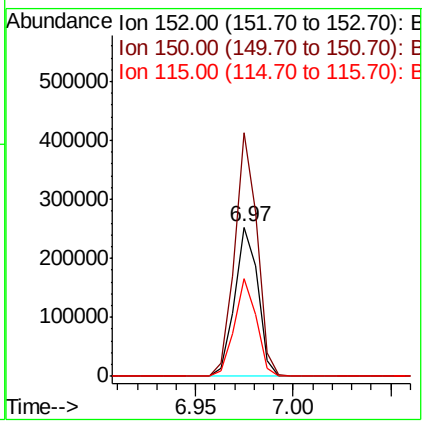




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:152 Resp: 208443

Ion	Ratio	Lower	Upper
152	100		
150	162.8	122.7	184.1
115	65.2	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

Manual Integrations APPROVED
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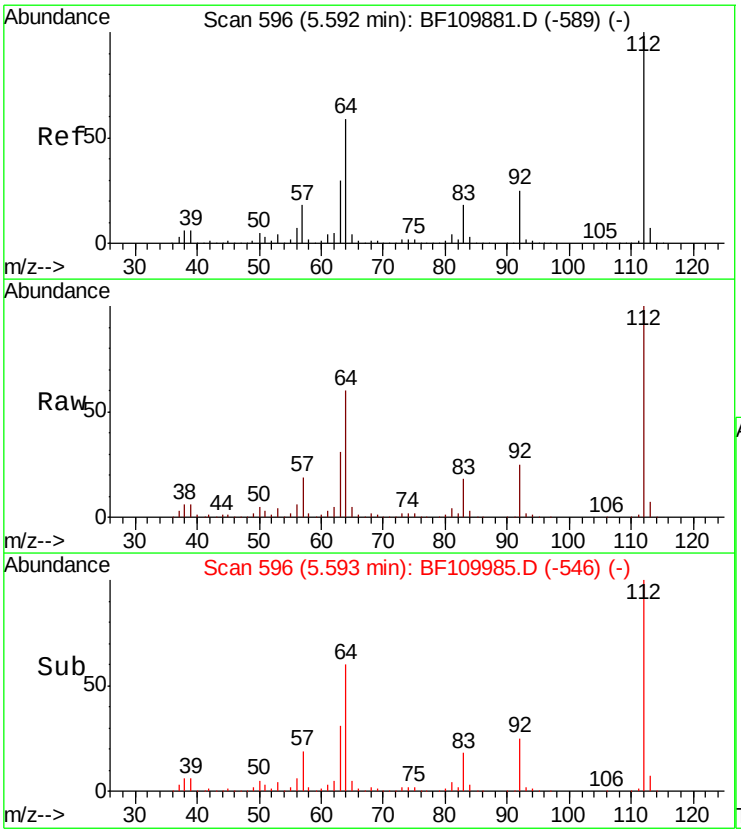
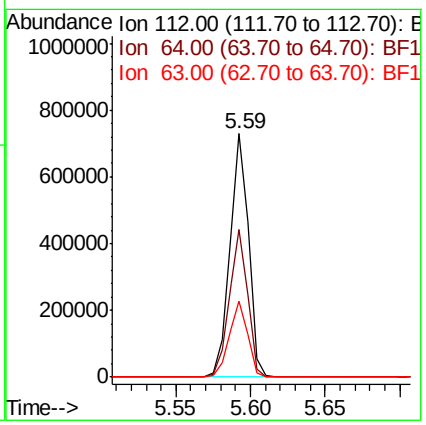
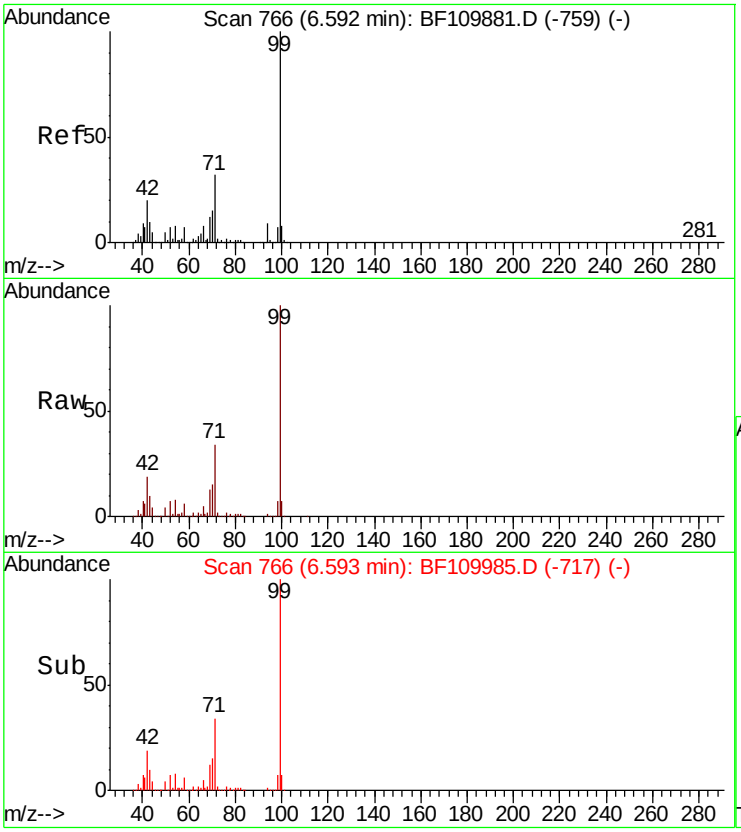


#5
2-Fluorophenol
Concen: 49.149 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:112 Resp: 646297

Ion	Ratio	Lower	Upper
112	100		
64	60.5	44.1	66.1
63	31.4	23.7	35.5

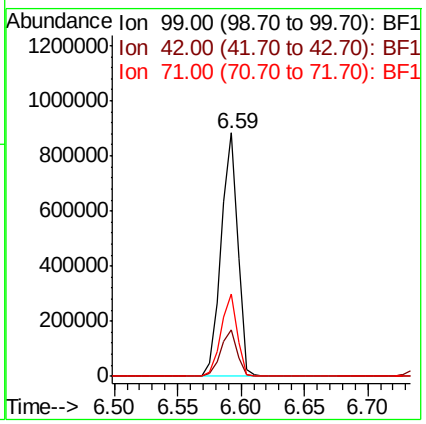




#7
Phenol-d6
Concen: 49.894 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion: 99 Resp: 814710

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.8	23.6
71	33.7	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

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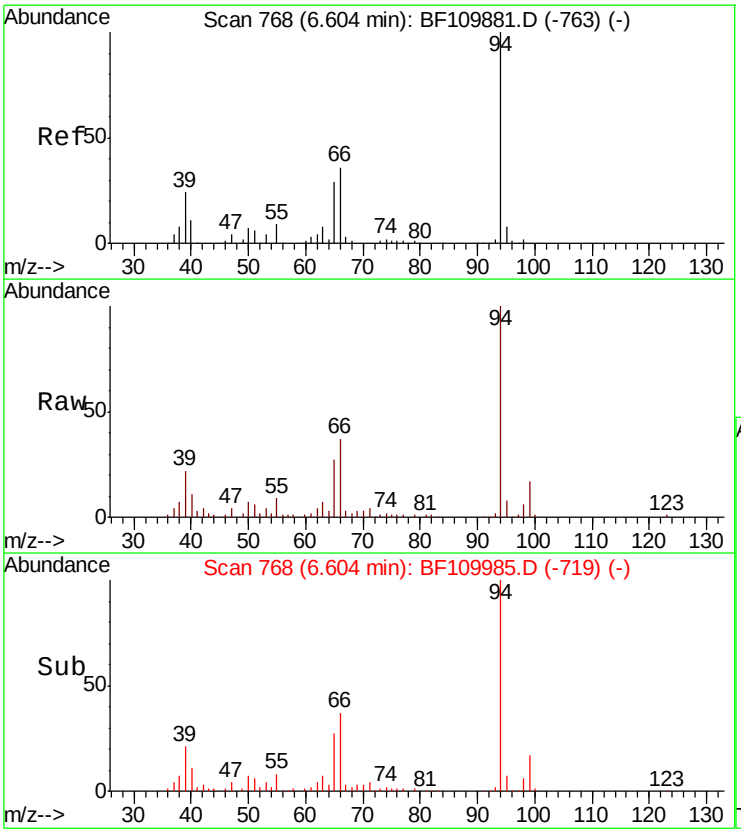
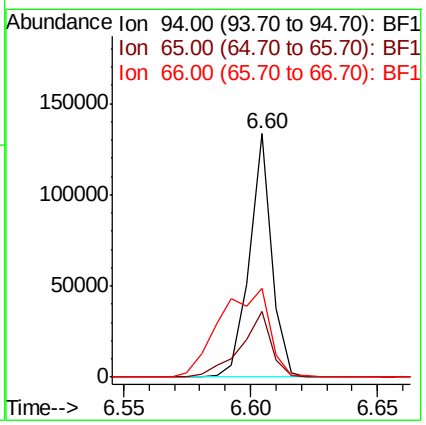
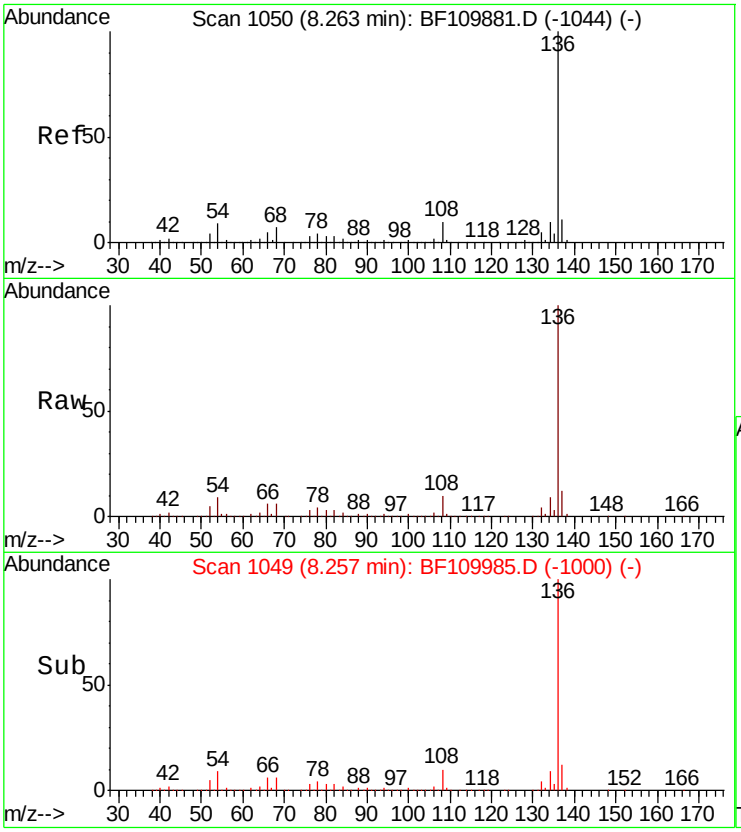


#10
Phenol
Concen: 4.635 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion: 94 Resp: 81709

Ion	Ratio	Lower	Upper
94	100		
65	27.1	25.3	65.3
66	36.6	54.5	94.5#

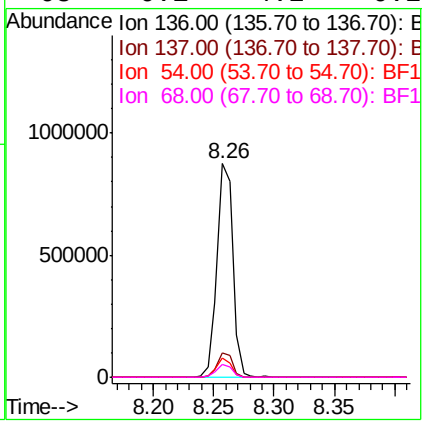




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:136 Resp: 788558

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	8.7	5.4	8.2#
68	6.1	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

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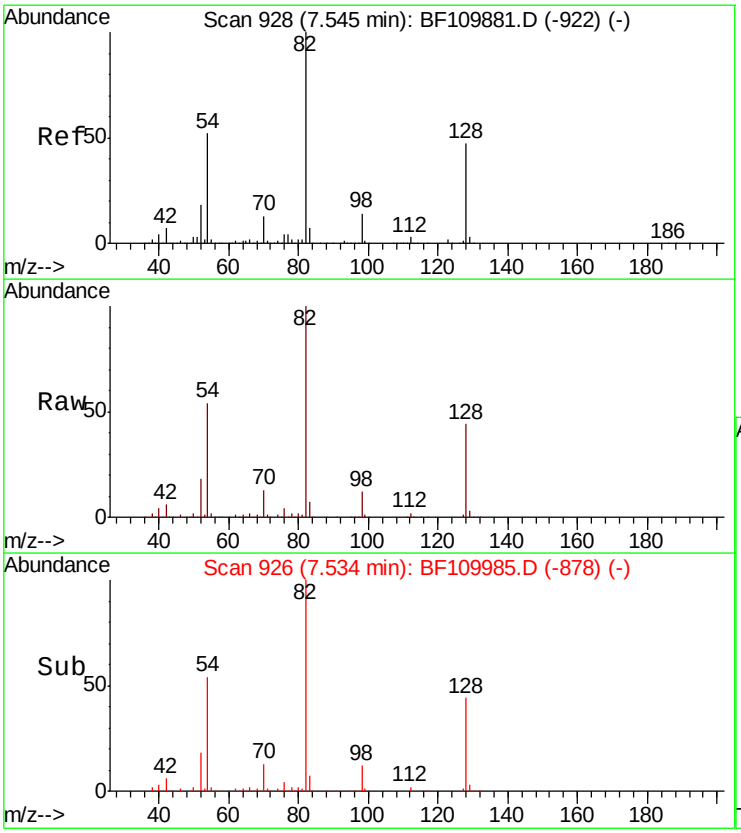
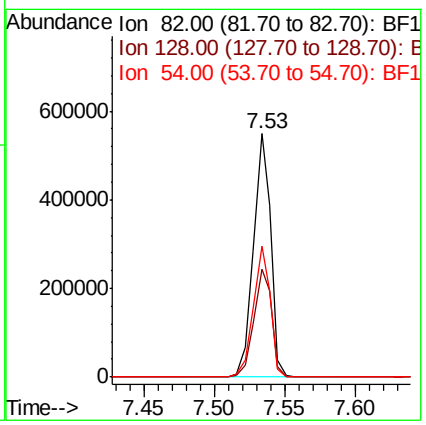
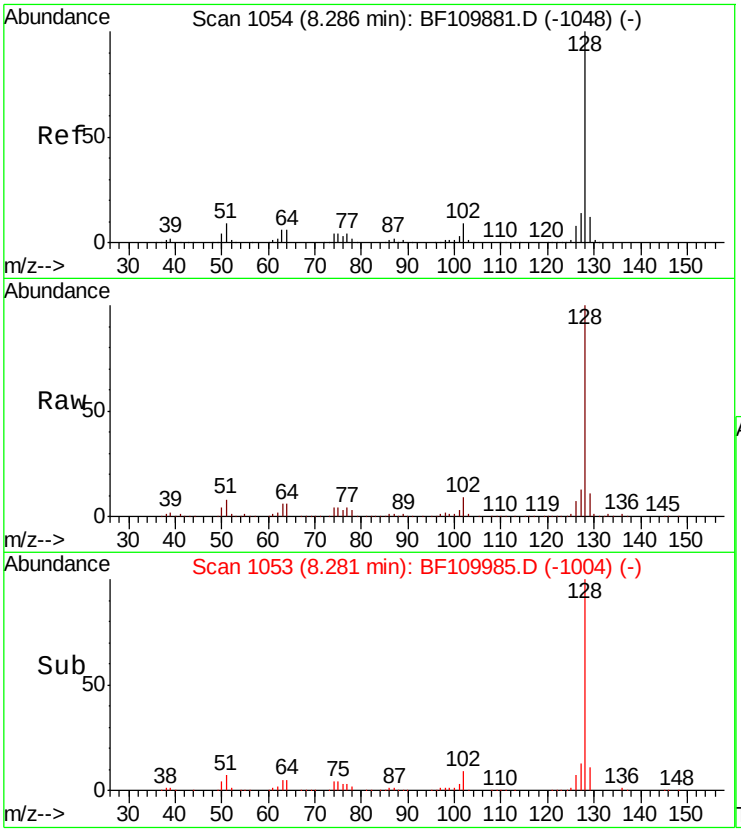


#23
Nitrobenzene-d5
Concen: 40.580 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion: 82 Resp: 475024

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.2	51.2
54	53.9	38.6	58.0

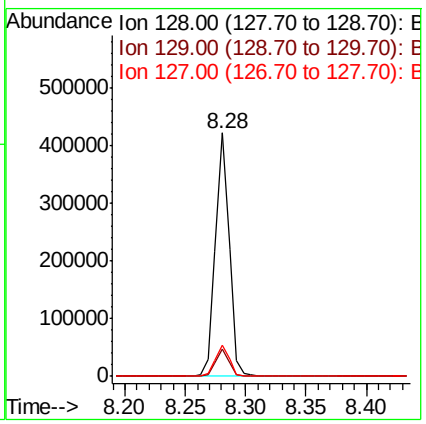




#31
Naphthalene
Concen: 9.051 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:128 Resp: 327292

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.0	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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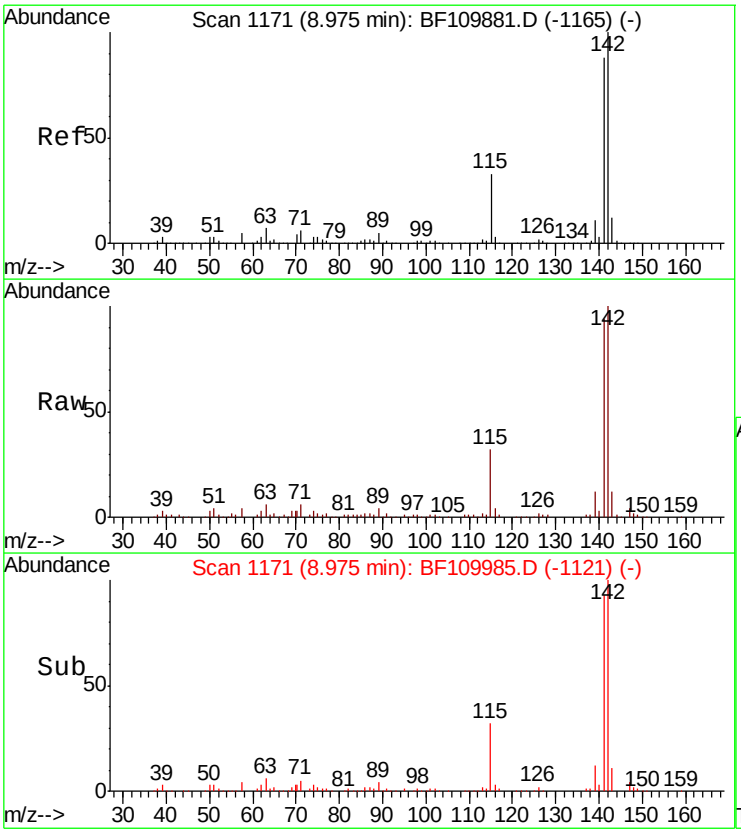
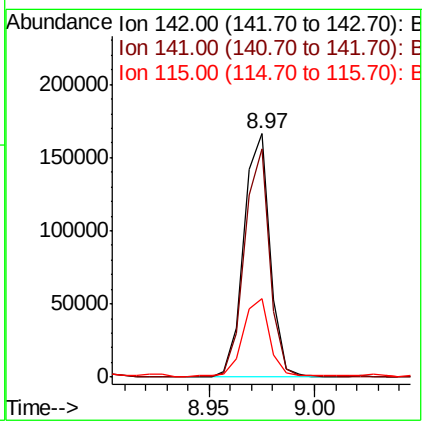
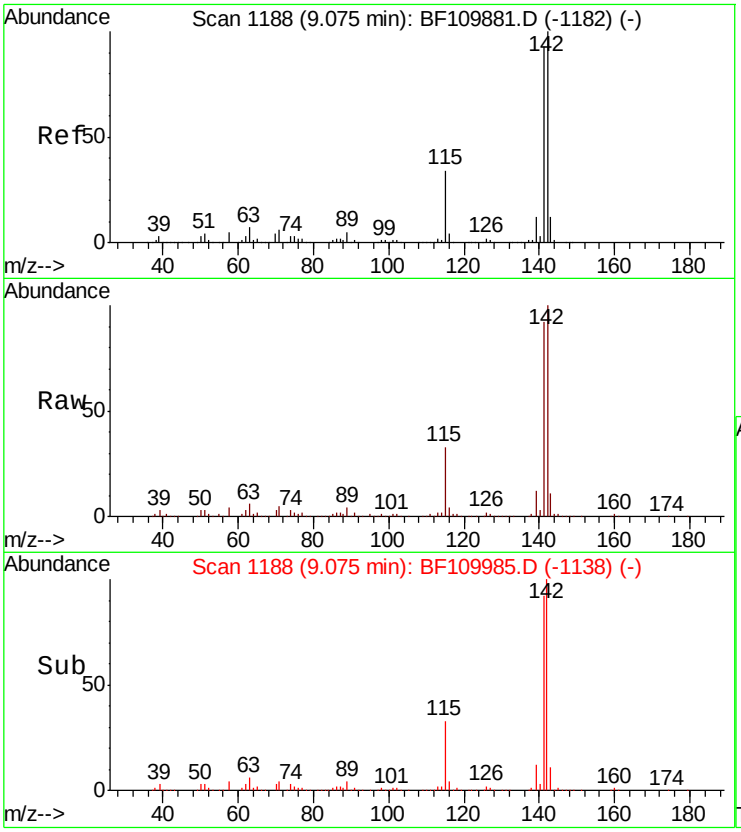


#37
2-Methylnaphthalene
Concen: 6.141 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:142 Resp: 143791

Ion	Ratio	Lower	Upper
142	100		
141	93.5	71.4	107.2
115	32.3	28.7	43.1

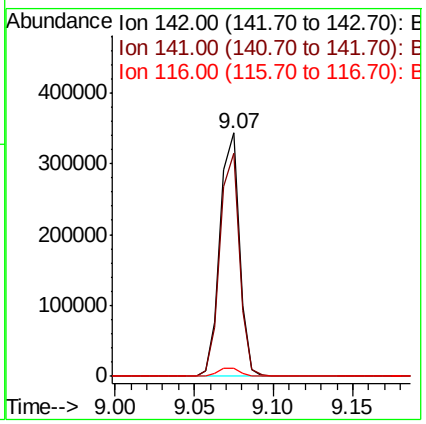




#38
1-Methylnaphthalene
Concen: 12.969 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:142 Resp: 294260

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4
116	3.6	2.6	4.0



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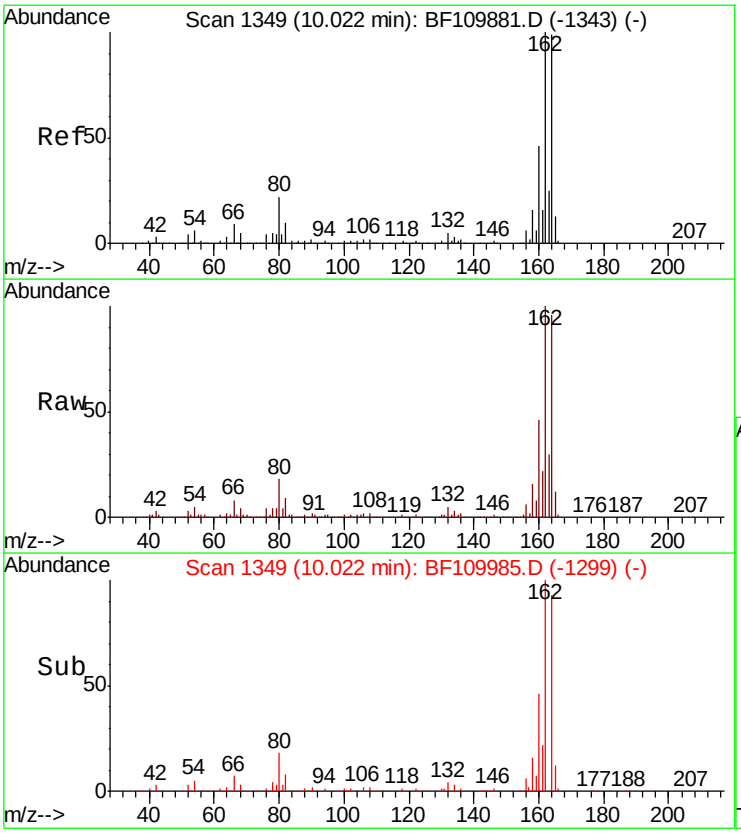
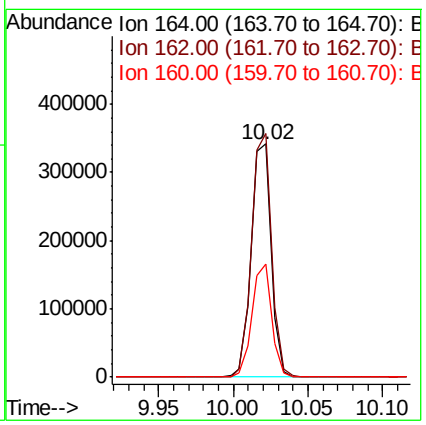
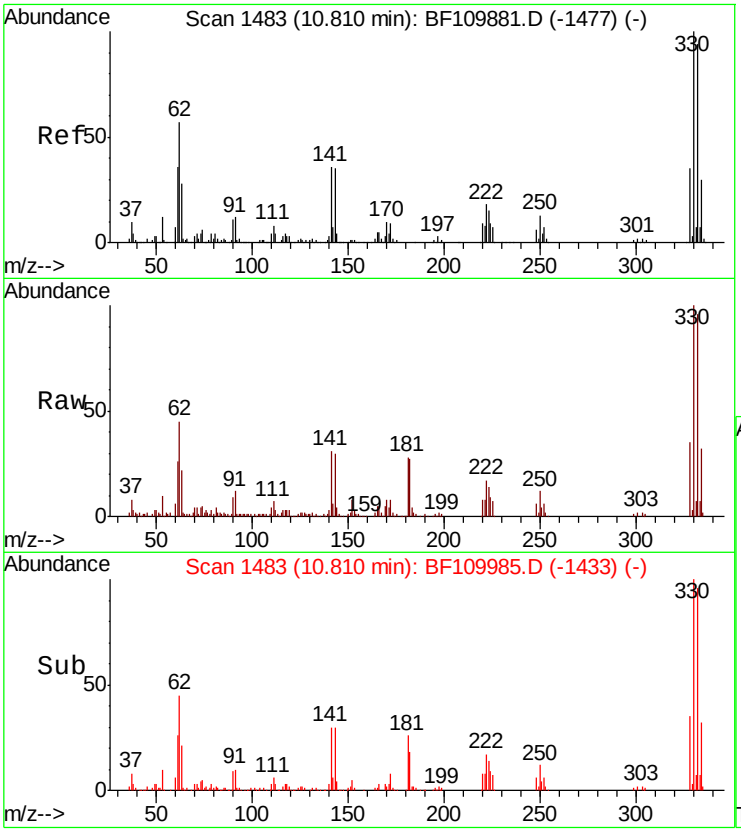


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:164 Resp: 314521

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.0	124.6
160	48.3	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 51.997 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:330 Resp: 141589

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	38.1	27.0	40.4

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

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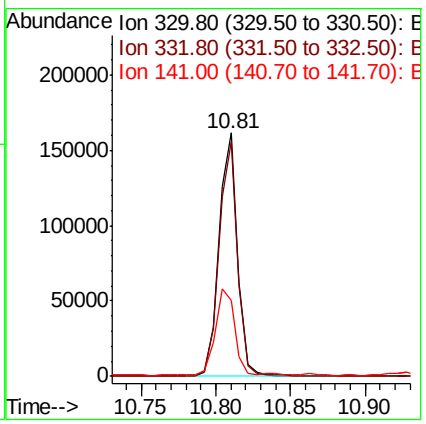
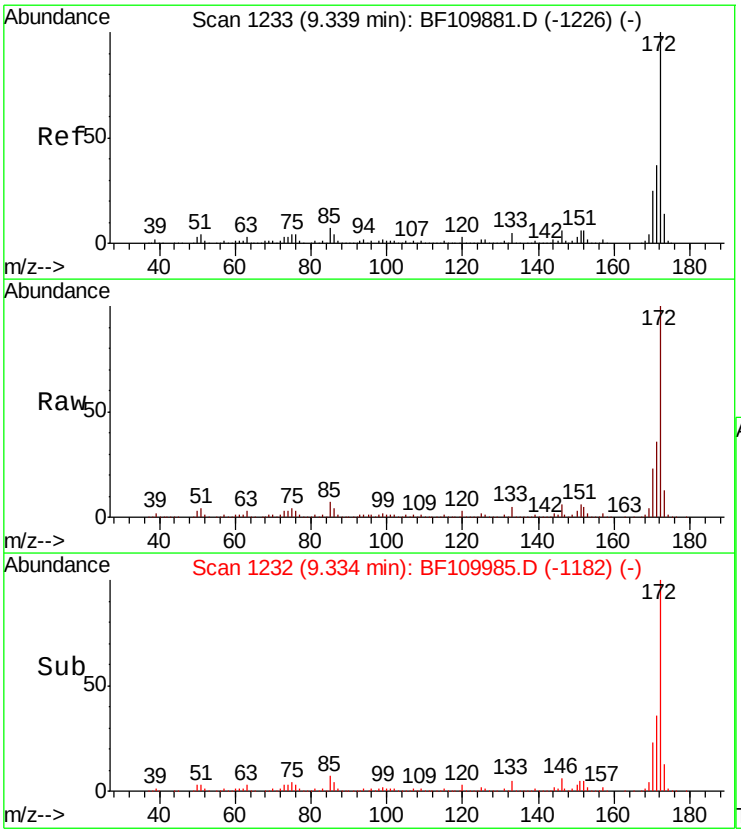
10/19/2018 12:15:09 PM

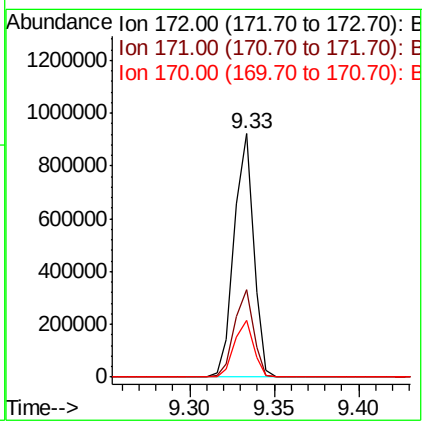


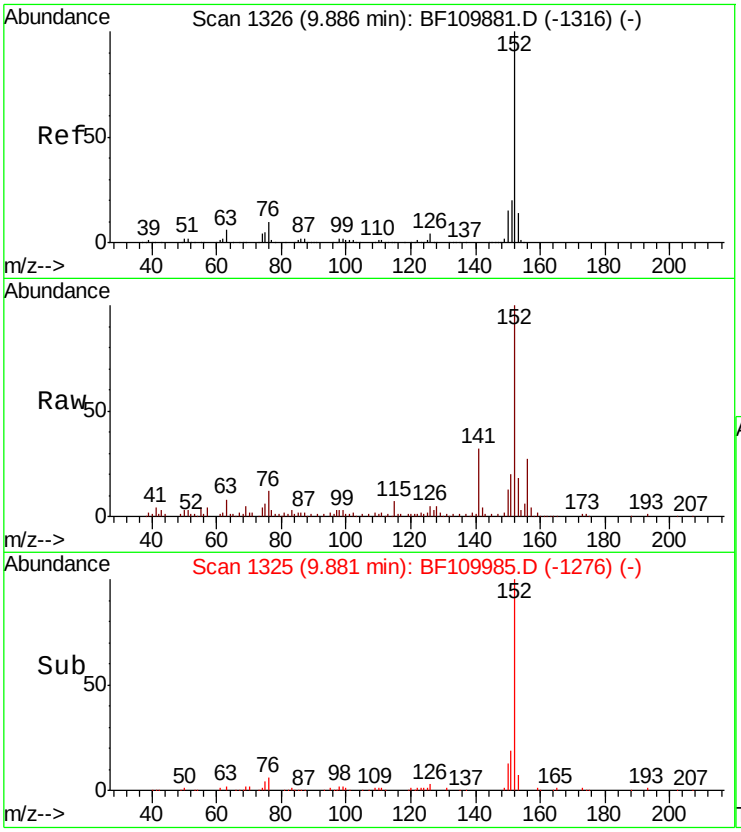


#45
2-Fluorobiphenyl
Concen: 37.459 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:172 Resp: 738349

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.1	19.7	29.5

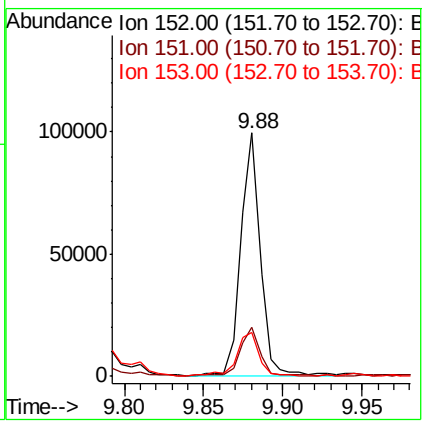




#49
Acenaphthylene
Concen: 2.873 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:152 Resp: 86146

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	17.9	10.4	15.6#



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Manual Integrations APPROVED
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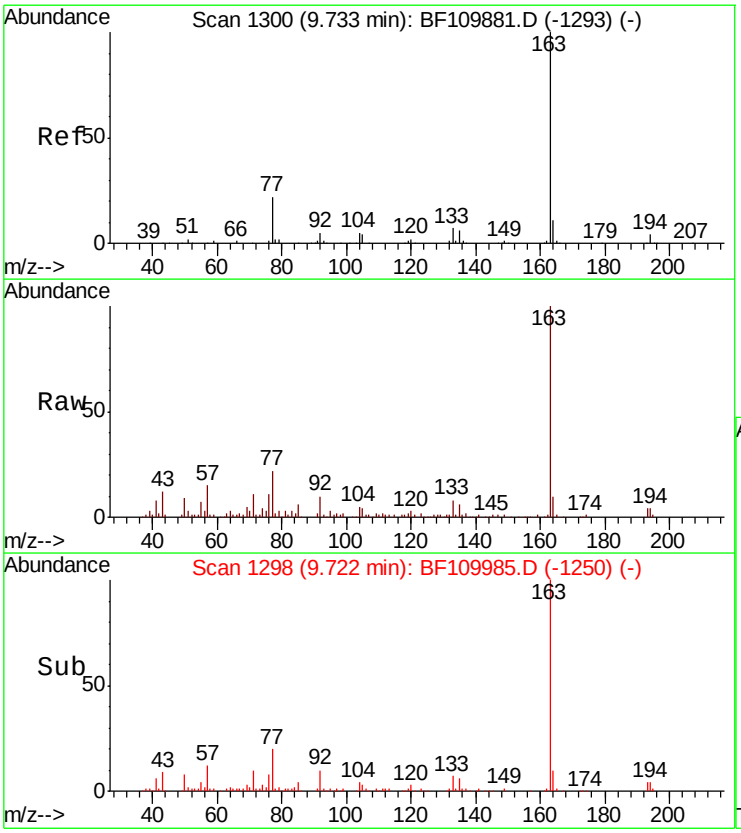
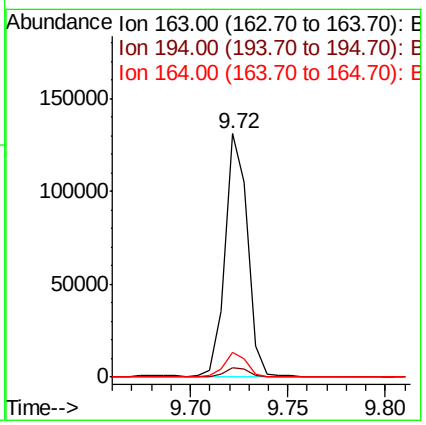
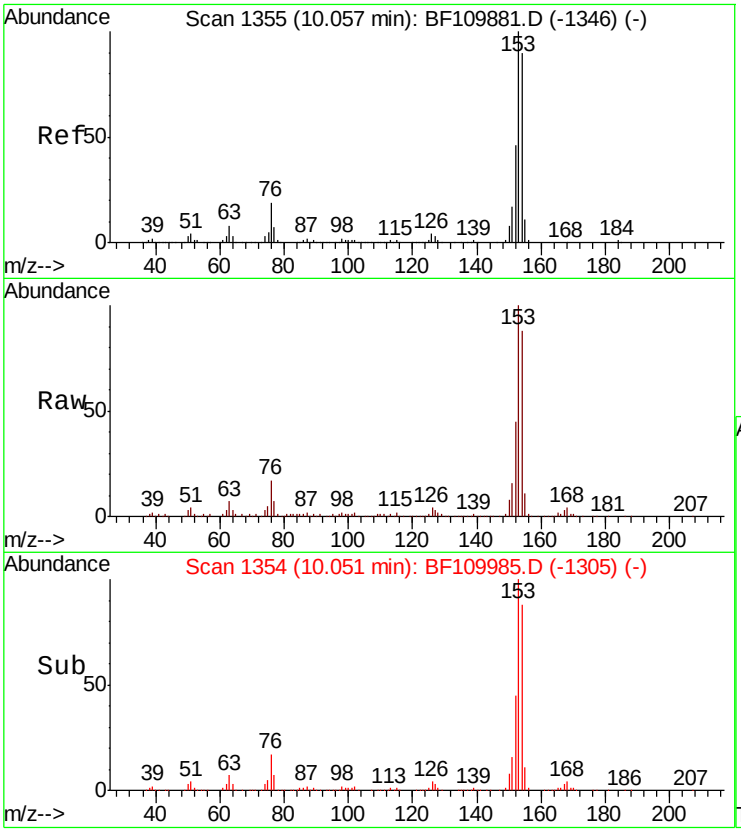


#50
Dimethylphthalate
Concen: 4.722 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:163 Resp: 105173

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.9	8.1	12.1

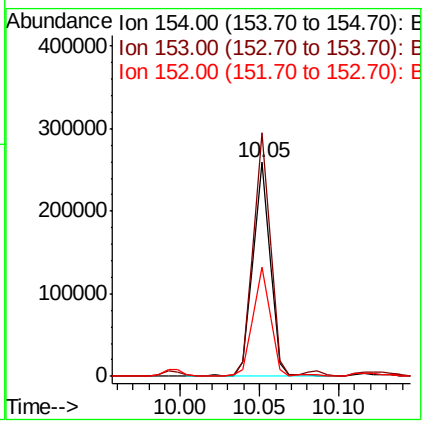




#52
Acenaphthene
Concen: 10.288 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:154 Resp: 196416

Ion	Ratio	Lower	Upper
154	100		
153	113.8	90.1	135.1
152	51.2	43.4	65.2



Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

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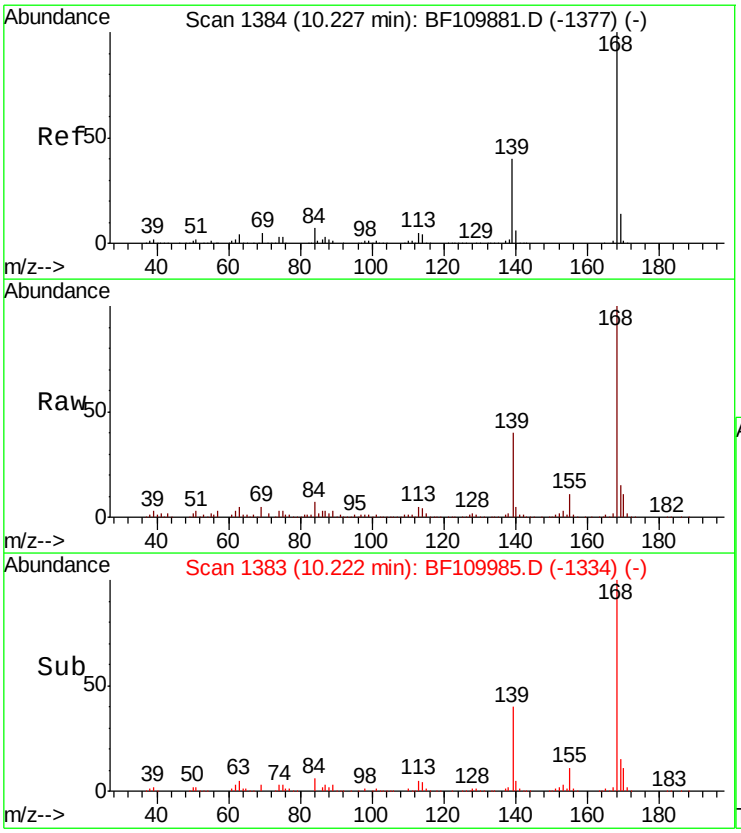
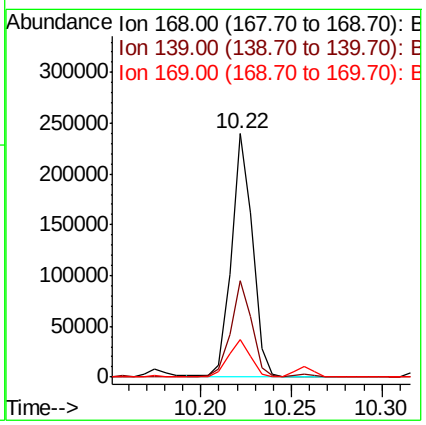
10/19/2018 12:15:09 PM

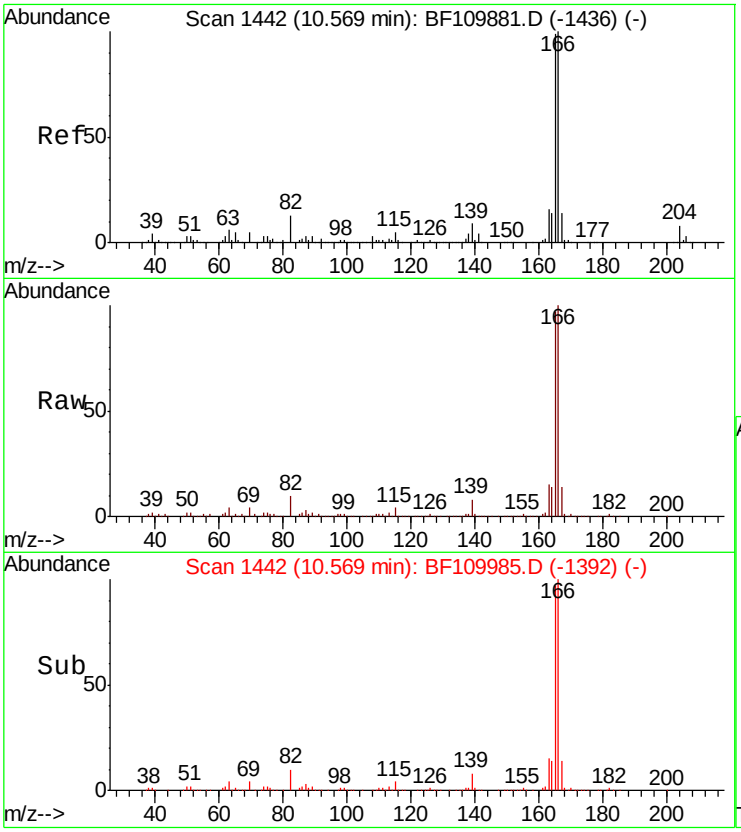


#55
Dibenzofuran
Concen: 7.152 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:168 Resp: 194728

Ion	Ratio	Lower	Upper
168	100		
139	39.6	33.0	49.6
169	15.3	11.3	16.9

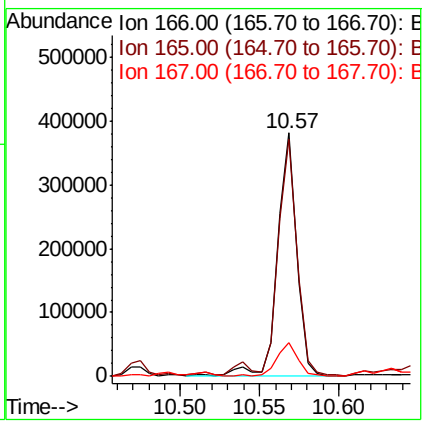




#58
Fluorene
Concen: 15.996 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:166 Resp: 317033

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.6	117.8
167	13.9	10.8	16.2



Instrument :
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ClientSampleId :
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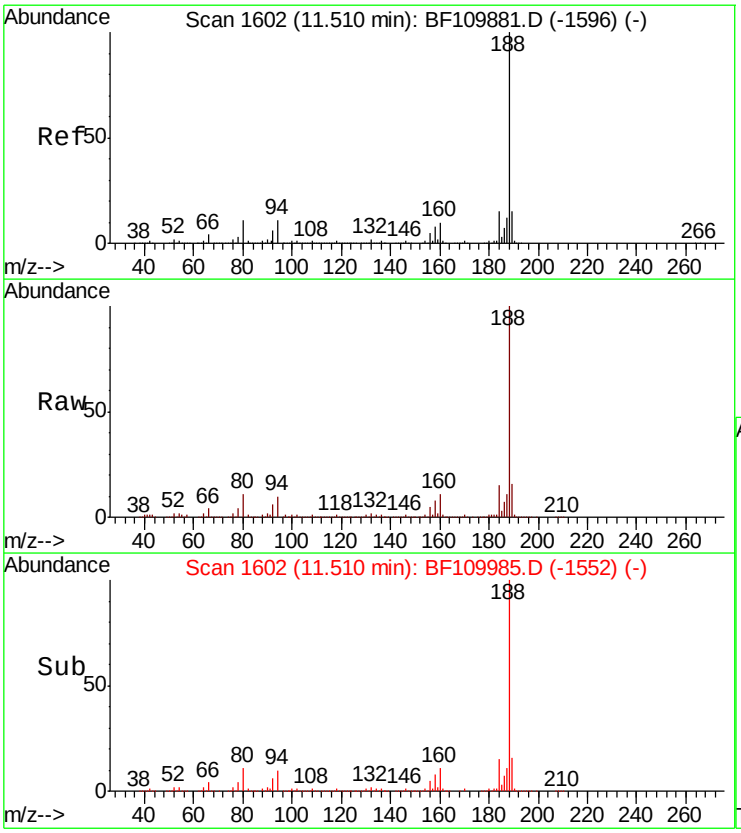
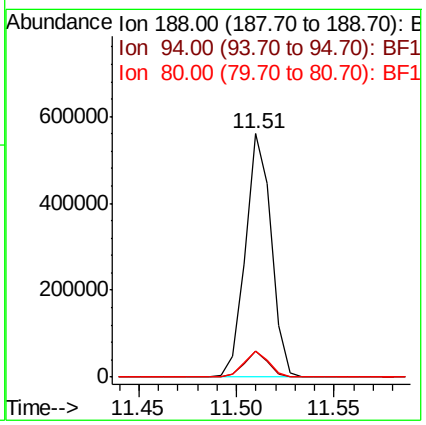
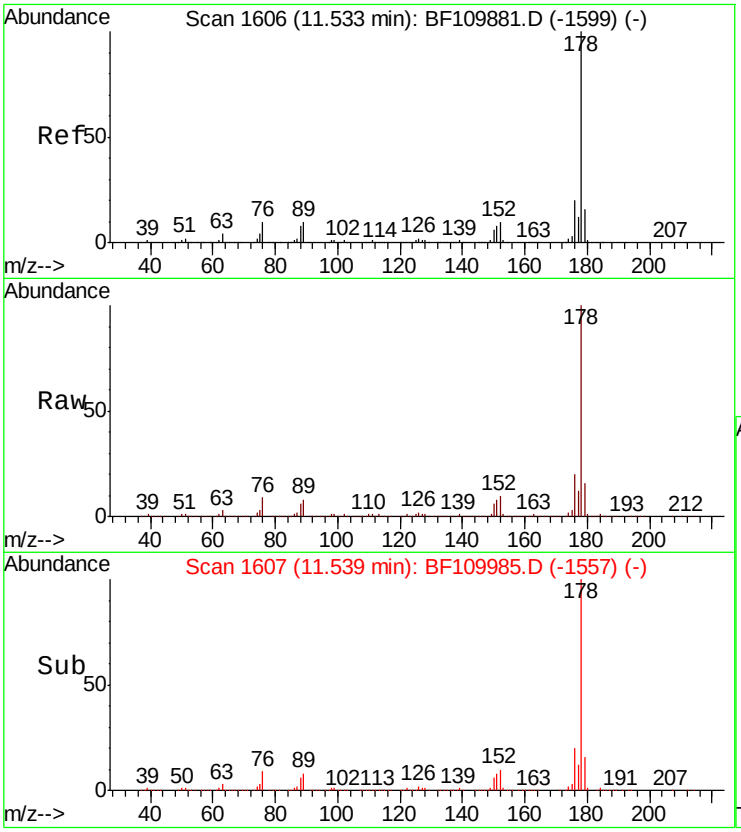


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:188 Resp: 511167

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.2	10.8
80	10.9	7.9	11.9

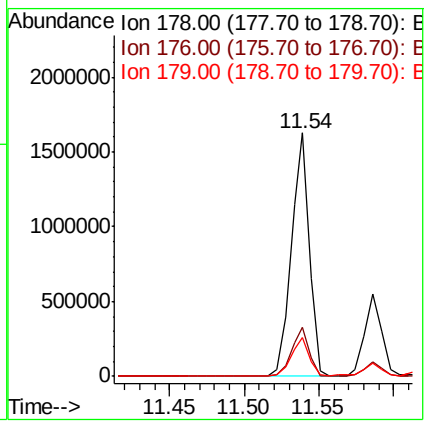




#71
Phenanthrene
Concen: 52.327 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:178 Resp: 1384750

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.8	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
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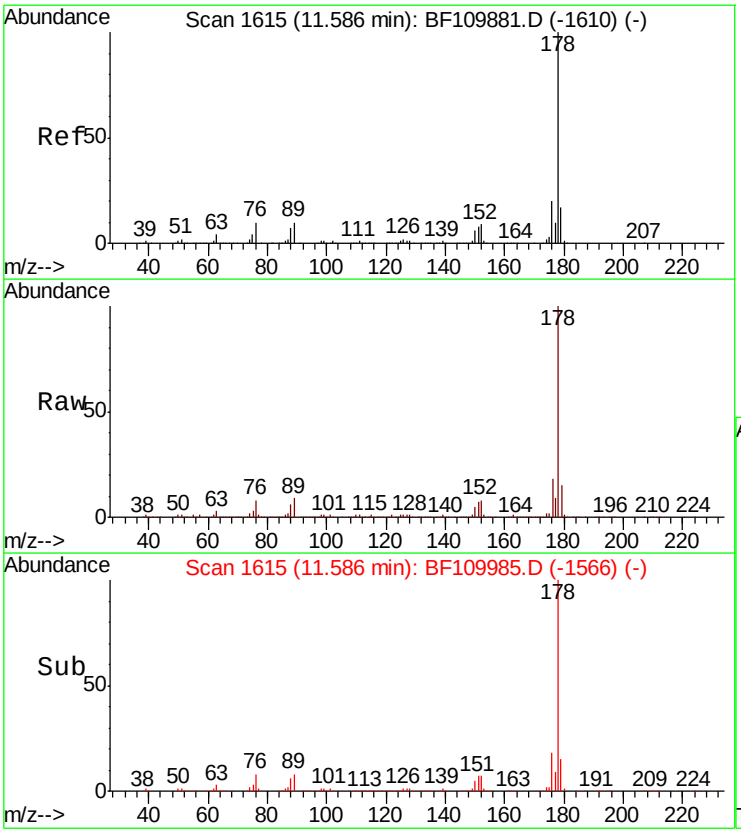
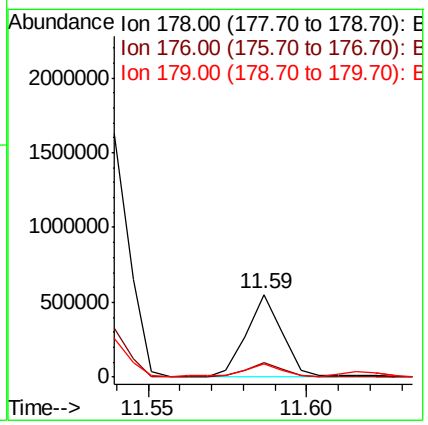
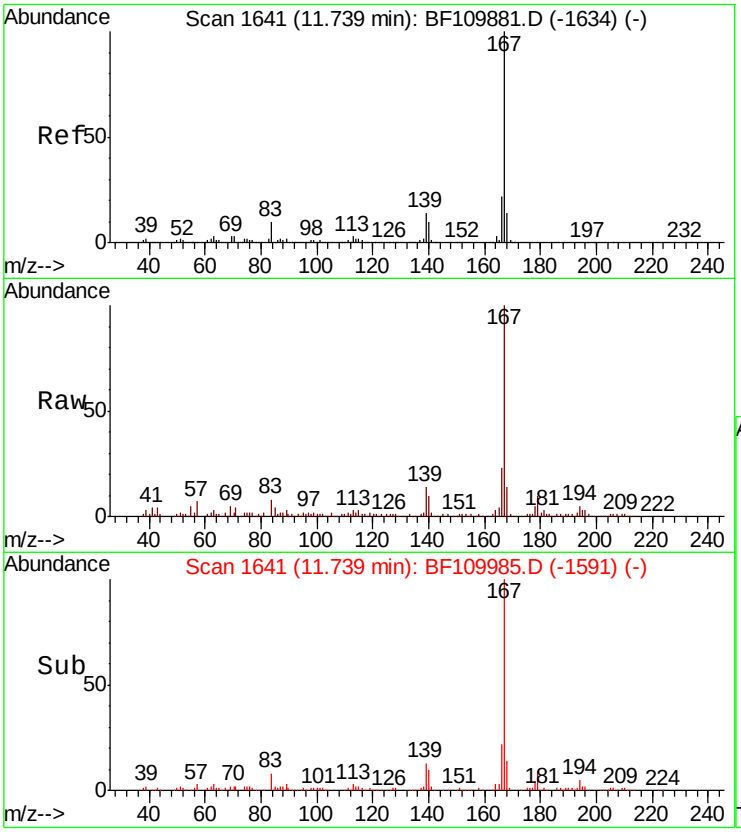


#72
Anthracene
Concen: 15.738 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:178 Resp: 418714

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.4	12.6	18.8

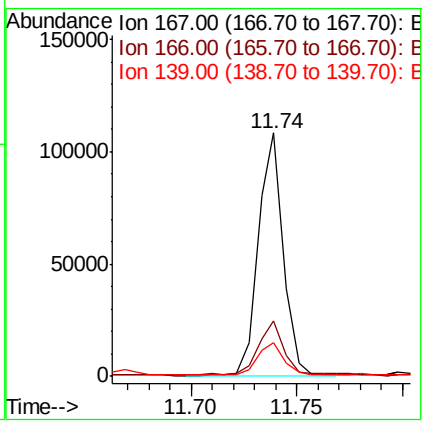




#73
Carbazole
Concen: 3.379 ng
RT: 11.74 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:167 Resp: 88357

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.4	26.0
139	14.0	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
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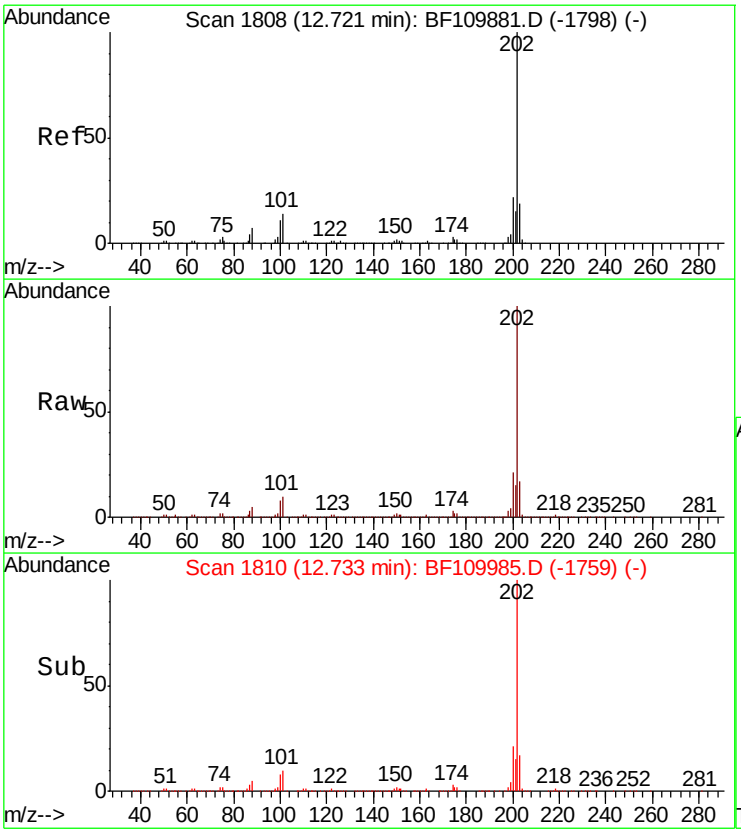
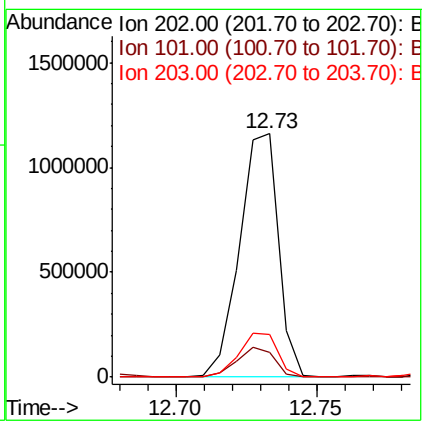
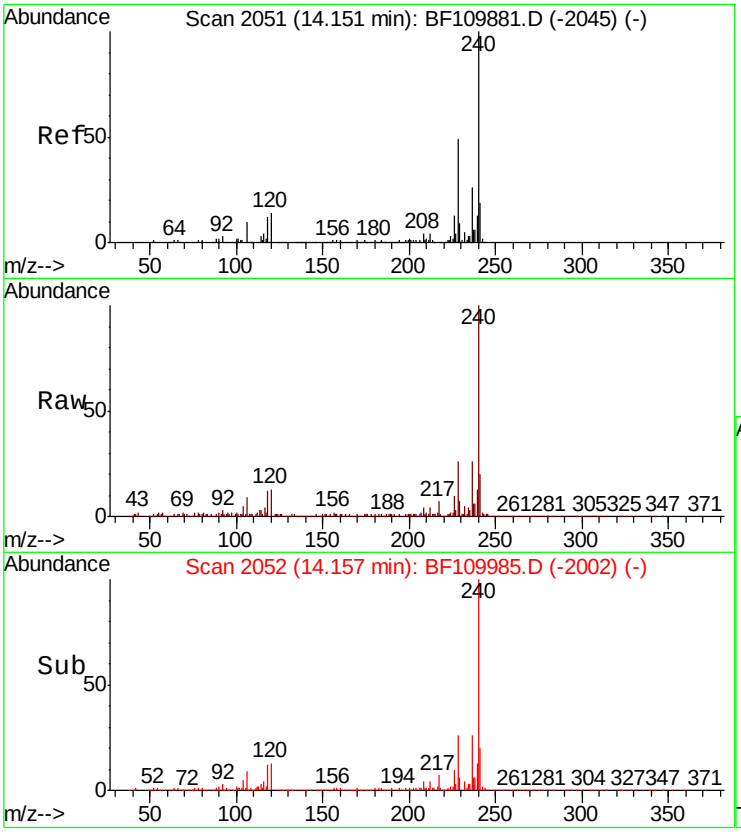


#75
Fluoranthene
Concen: 41.965 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.00 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:202 Resp: 1109409

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.4	0.0	37.7

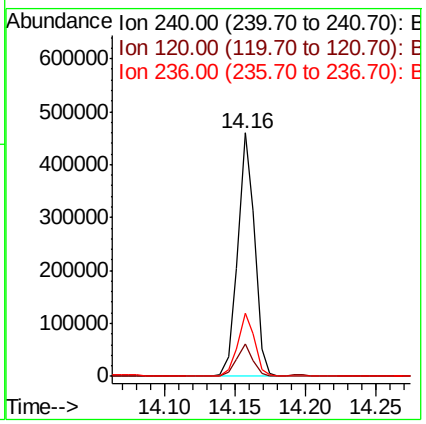




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:240 Resp: 380915

Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.3	12.5#
236	26.2	21.2	31.8



Instrument :
BNA_F
ClientSampleId :
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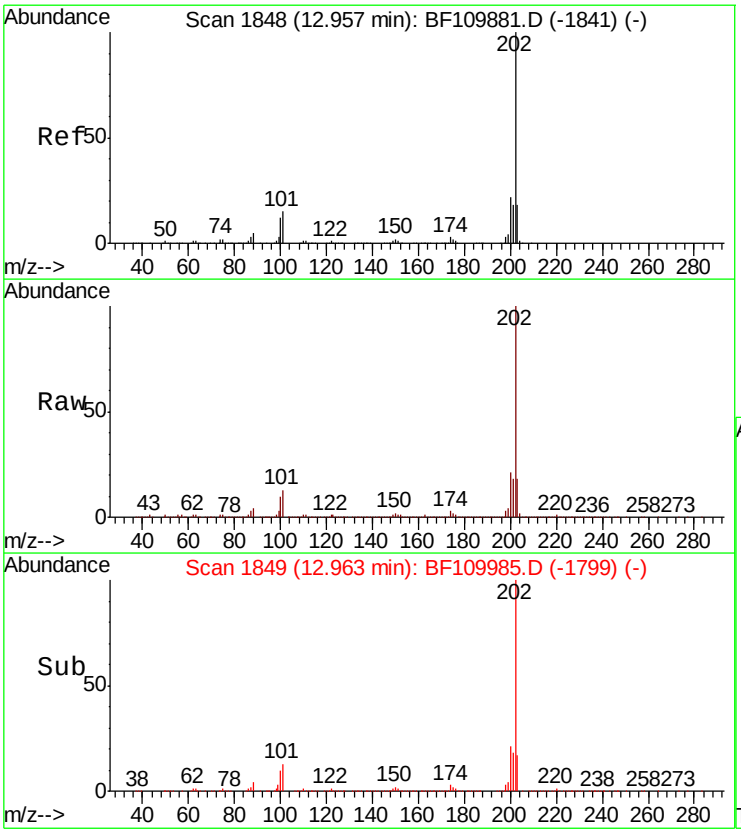
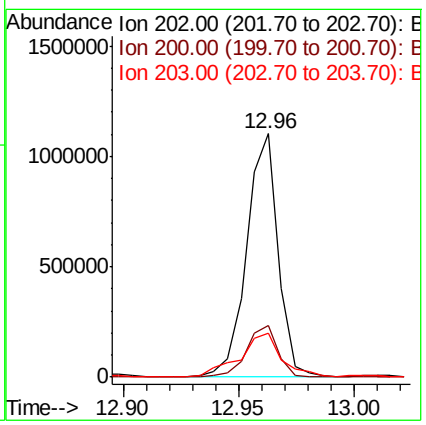
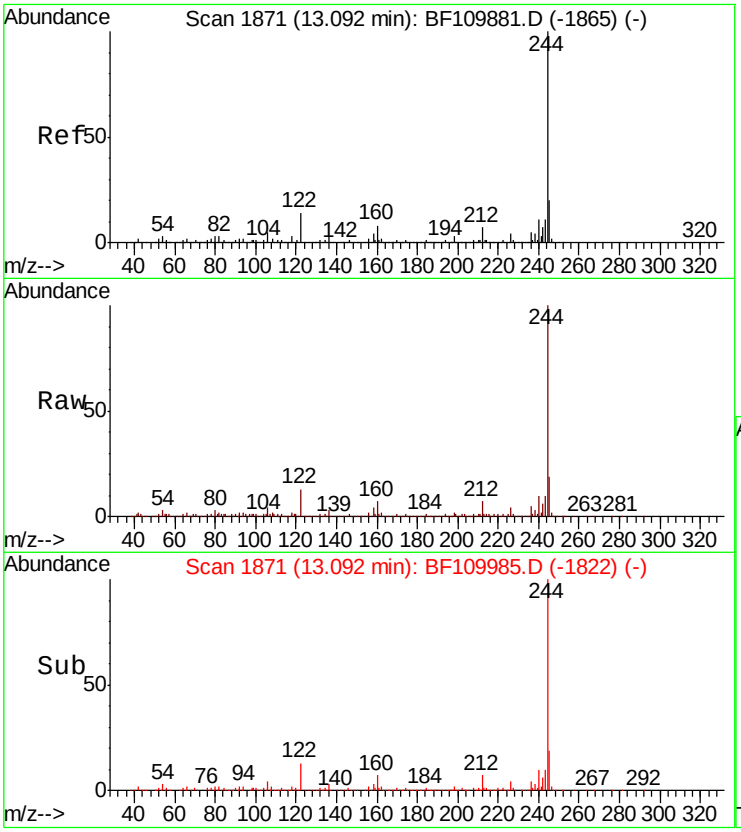


#78
Pyrene
Concen: 37.452 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:202 Resp: 1047803

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	18.2	14.2	21.4

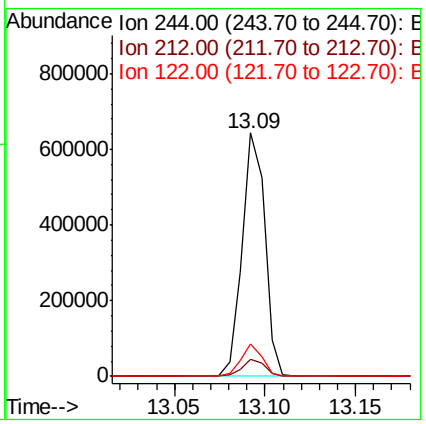




#79
Terphenyl-d14
Concen: 31.007 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:244 Resp: 562451

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	13.3	8.7	13.1#



Instrument :
BNA_F
ClientSampleId :
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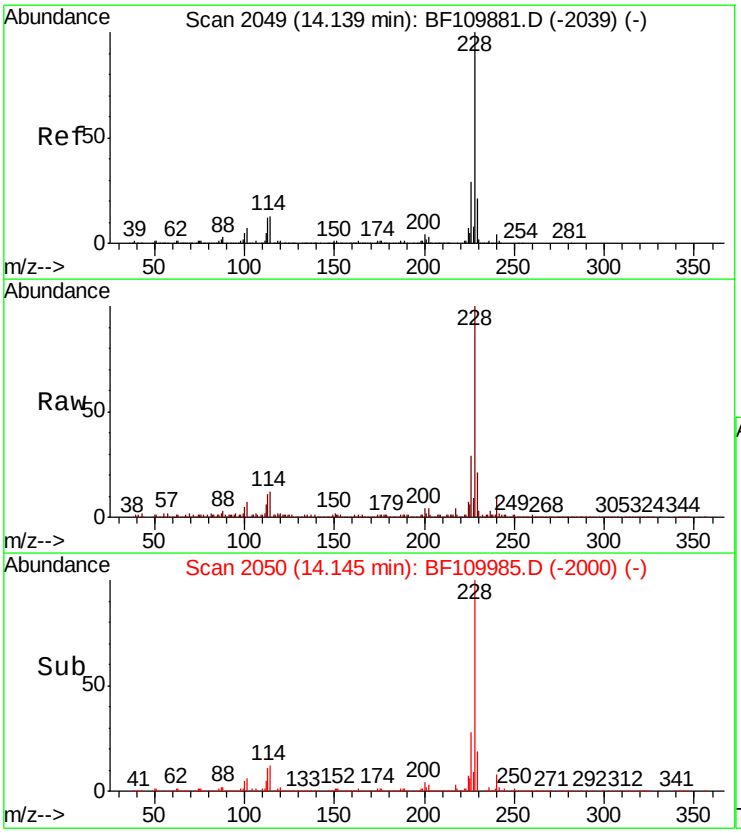
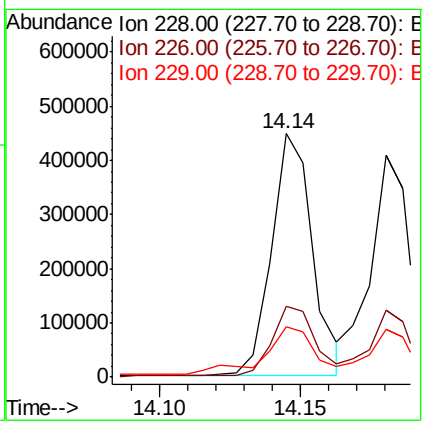
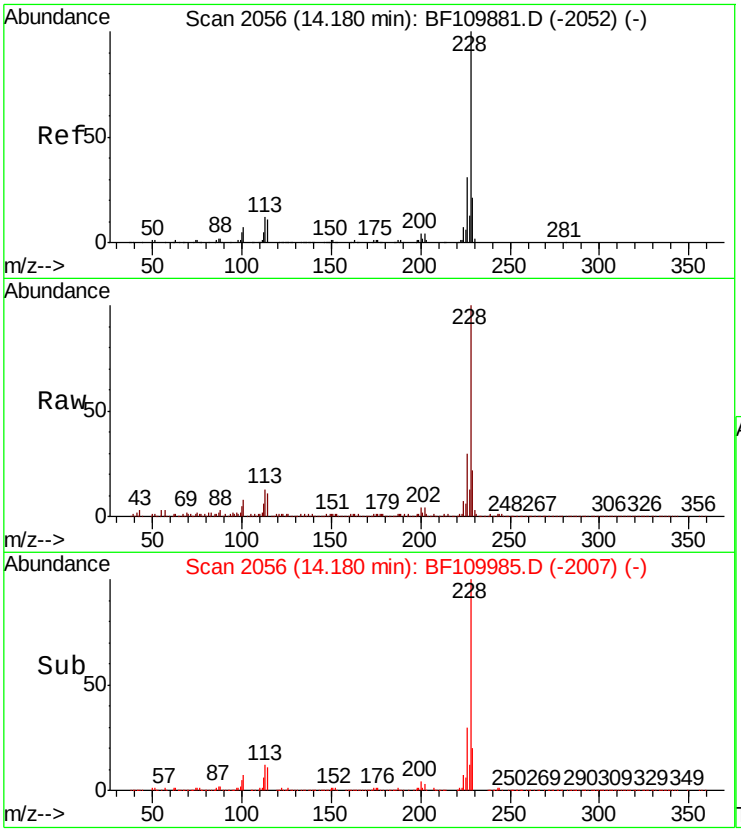


#81
Benzo(a)anthracene
Concen: 20.006 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:228 Resp: 448883

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.1	33.1
229	20.6	15.6	23.4

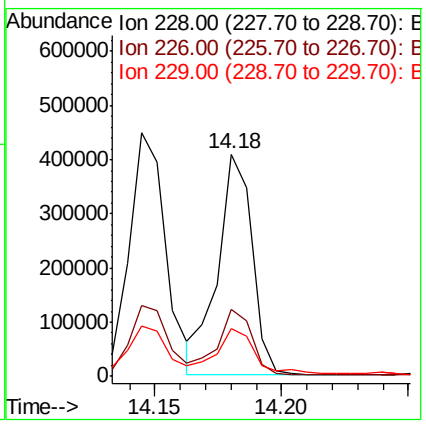




#83
Chrysene
Concen: 18.079 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:228 Resp: 386113

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.7	37.1
229	21.6	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

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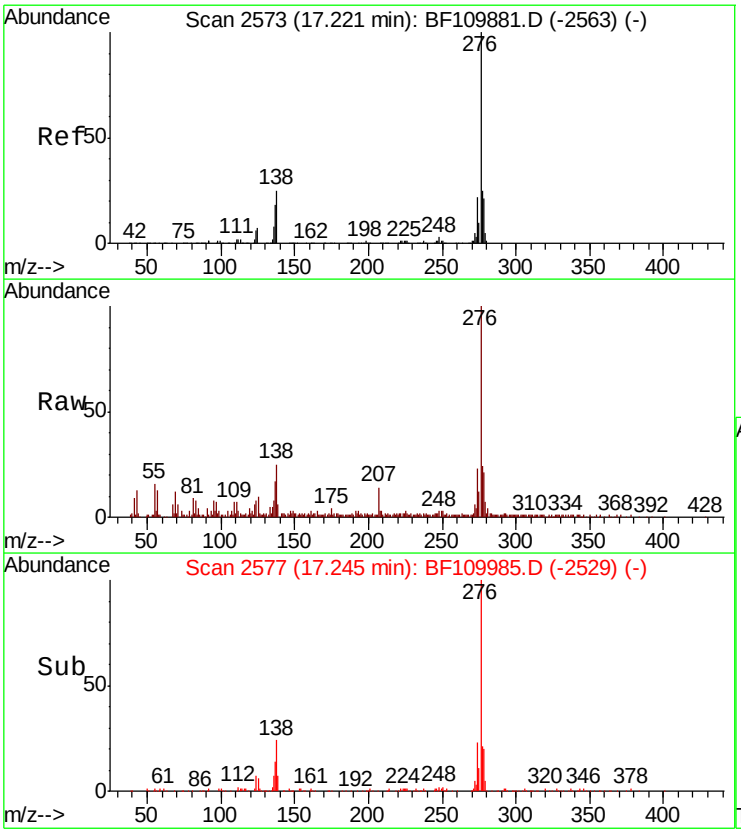
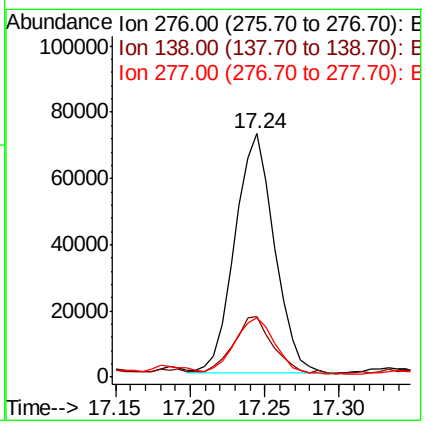
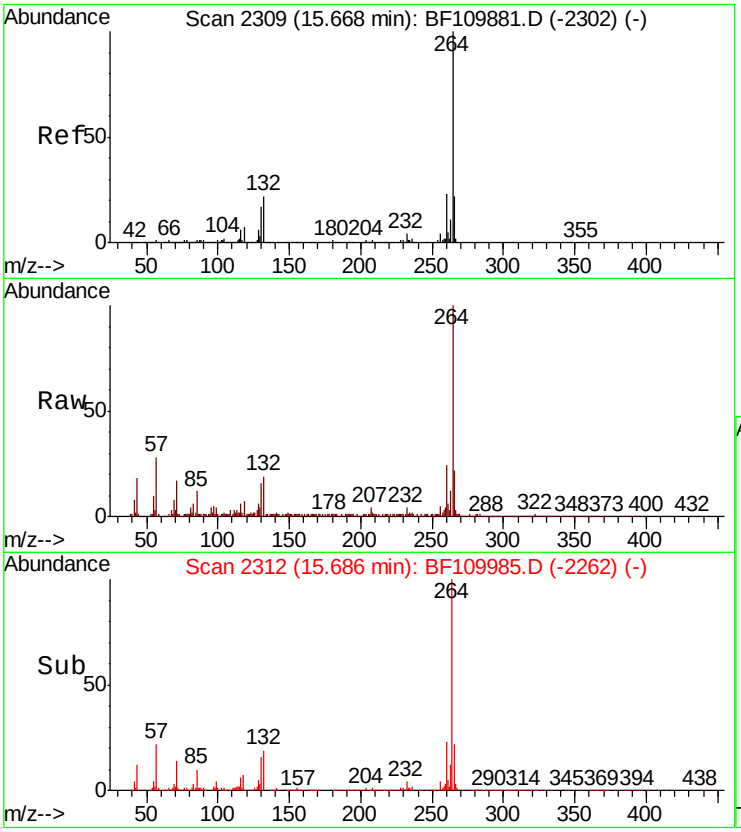


#86
Indeno(1,2,3-cd)pyrene
Concen: 7.744 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:276 Resp: 133159

Ion	Ratio	Lower	Upper
276	100		
138	24.6	18.5	27.7
277	24.0	20.0	30.0

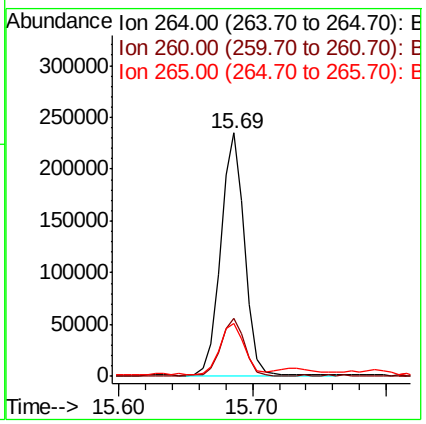




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:264 Resp: 293022

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.0	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
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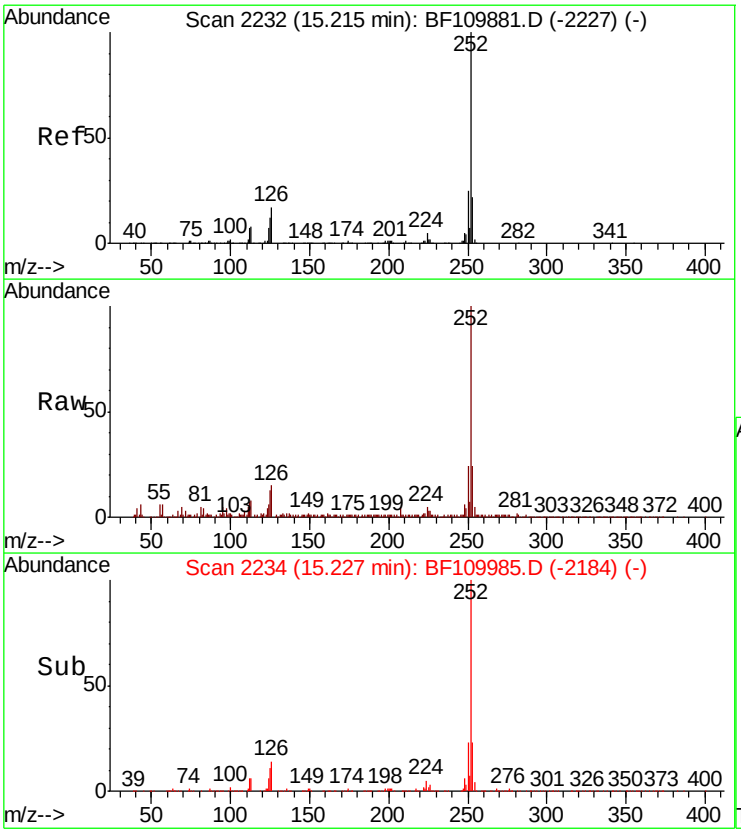
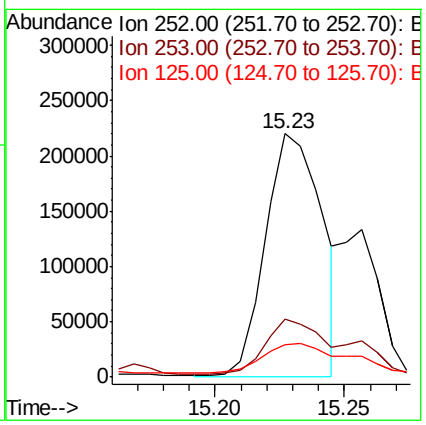
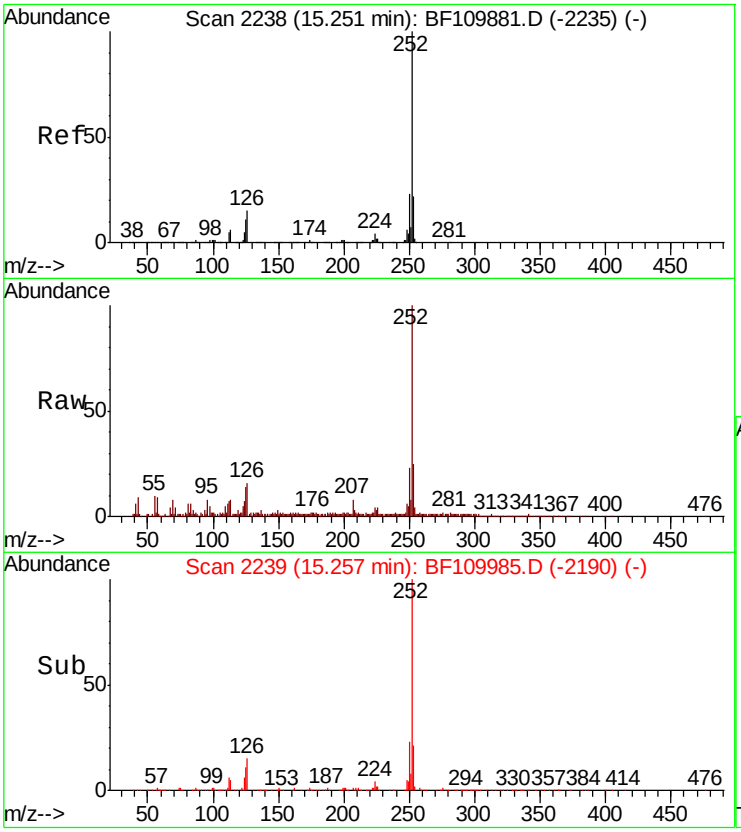


#88
Benzo(b)fluoranthene
Concen: 20.094 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:252 Resp: 339459

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	13.1	8.2	12.4#

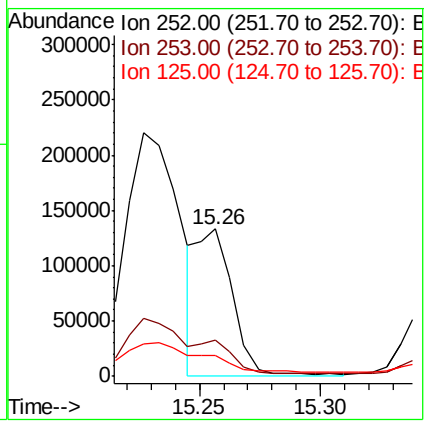




#89
Benzo(k)fluoranthene
Concen: 8.351 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:252 Resp: 139053

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	14.1	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

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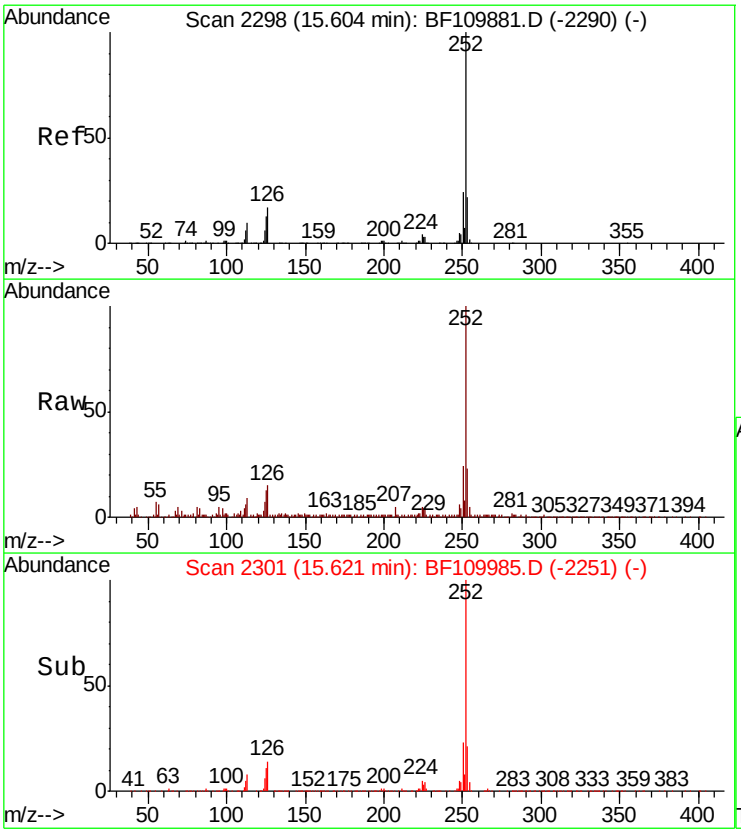
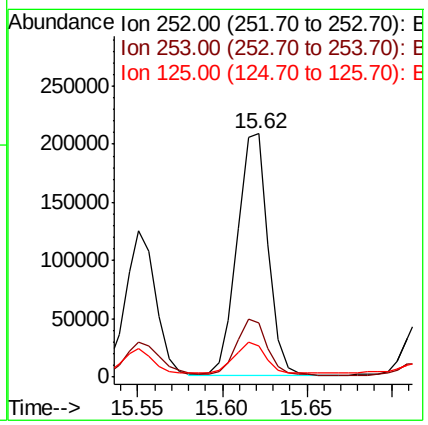
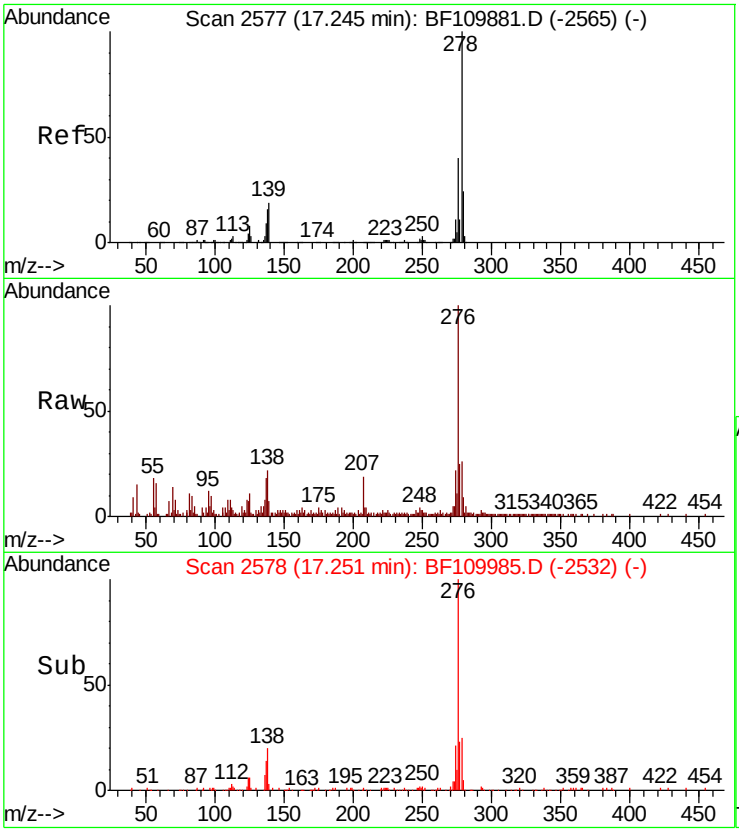


#90
Benzo(a)pyrene
Concen: 17.210 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:252 Resp: 267388

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.8	9.0	13.6

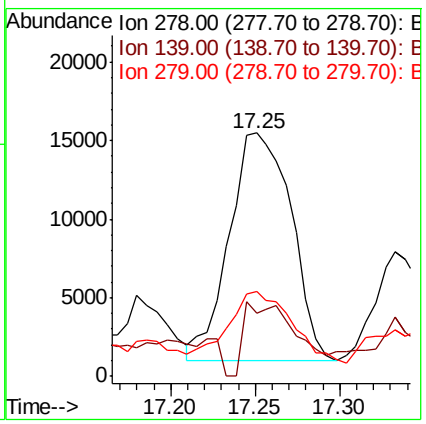




#91
Dibenzo(a,h)anthracene
Concen: 2.667 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.03 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:278 Resp: 36725

Ion	Ratio	Lower	Upper
278	100		
139	25.9	12.7	19.1#
279	35.1	19.0	28.4#



Instrument :
BNA_F
ClientSampleId :
SU-03-101718-A

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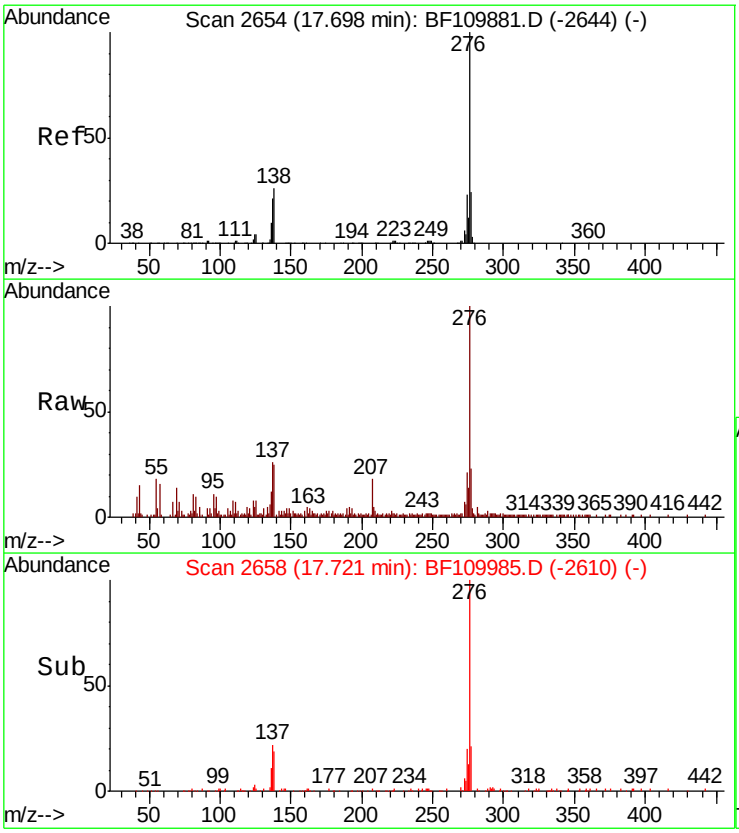

#92
Benzo(g,h,i)perylene
Concen: 8.699 ng
RT: 17.72 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF109985.D
Acq: 19 Oct 2018 3:18

Tgt Ion:276 Resp: 121023

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	24.7	16.0	24.0#