Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107191.D
Acq On : 6 Jul 2018 23:27
Operator : JU/SJ
Sample : J3749-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ZER-SB-101-03-04-0-11

Manual Integrations APPROVED
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7/9/2018 1:58:48 PM

Quant Time: Jul 07 00:39:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	59588	20.00	ng		-0.02
21) Naphthalene-d8	8.22	136	209555	20.00	ng		-0.02
38) Acenaphthene-d10	9.98	164	85942	20.00	ng		-0.02
63) Phenanthrene-d10	11.48	188	158649	20.00	ng		-0.02
75) Chrysene-d12	14.14	240	154075	20.00	ng		-0.03
86) Perylene-d12	15.67	264	112036	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	289955	82.40	ng		-0.01
7) Phenol-d6	6.59	99	353591	80.46	ng		-0.02
23) Nitrobenzene-d5	7.51	82	209687	55.61	ng		-0.03
41) 2,4,6-Tribromophenol	10.78	330	76114	76.41	ng		-0.02
44) 2-Fluorobiphenyl	9.30	172	346282	64.67	ng		-0.02
78) Terphenyl-d14	13.07	244	391186	61.50	ng		-0.02
Target Compounds							Qvalue
48) Acenaphthylene	9.85	152	17188	2.019	ng		97
49) Dimethylphthalate	9.70	163	39958	6.199	ng	#	98
51) Acenaphthene	10.02	154	11487	2.143	ng		98
57) Fluorene	10.54	166	19783	3.397	ng		96
70) Phenanthrene	11.51	178	255427	33.381	ng		99
71) Anthracene	11.55	178	91701	11.741	ng		99
72) Carbazole	11.72	167	16368	2.238	ng		97
74) Fluoranthene	12.71	202	525026	62.251	ng		94
77) Pyrene	12.94	202	526362	51.806	ng		99
80) Benzo(a)anthracene	14.12	228	301655	32.124	ng		99
82) Chrysene	14.17	228	257831	29.845	ng		98
85) Indeno(1,2,3-cd)pyrene	17.25	276	104409	14.241	ng	#	87
87) Benzo(b)fluoranthene	15.21	252	260136m	37.378	ng		
88) Benzo(k)fluoranthene	15.24	252	98026m	14.791	ng		
89) Benzo(a)pyrene	15.61	252	185766m	30.026	ng		
90) Dibenzo(a,h)anthracene	17.25	278	29903m	5.703	ng		
91) Benzo(g,h,i)perylene	17.74	276	104603	20.410	ng	#	87

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

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Manual Integrations APPROVED
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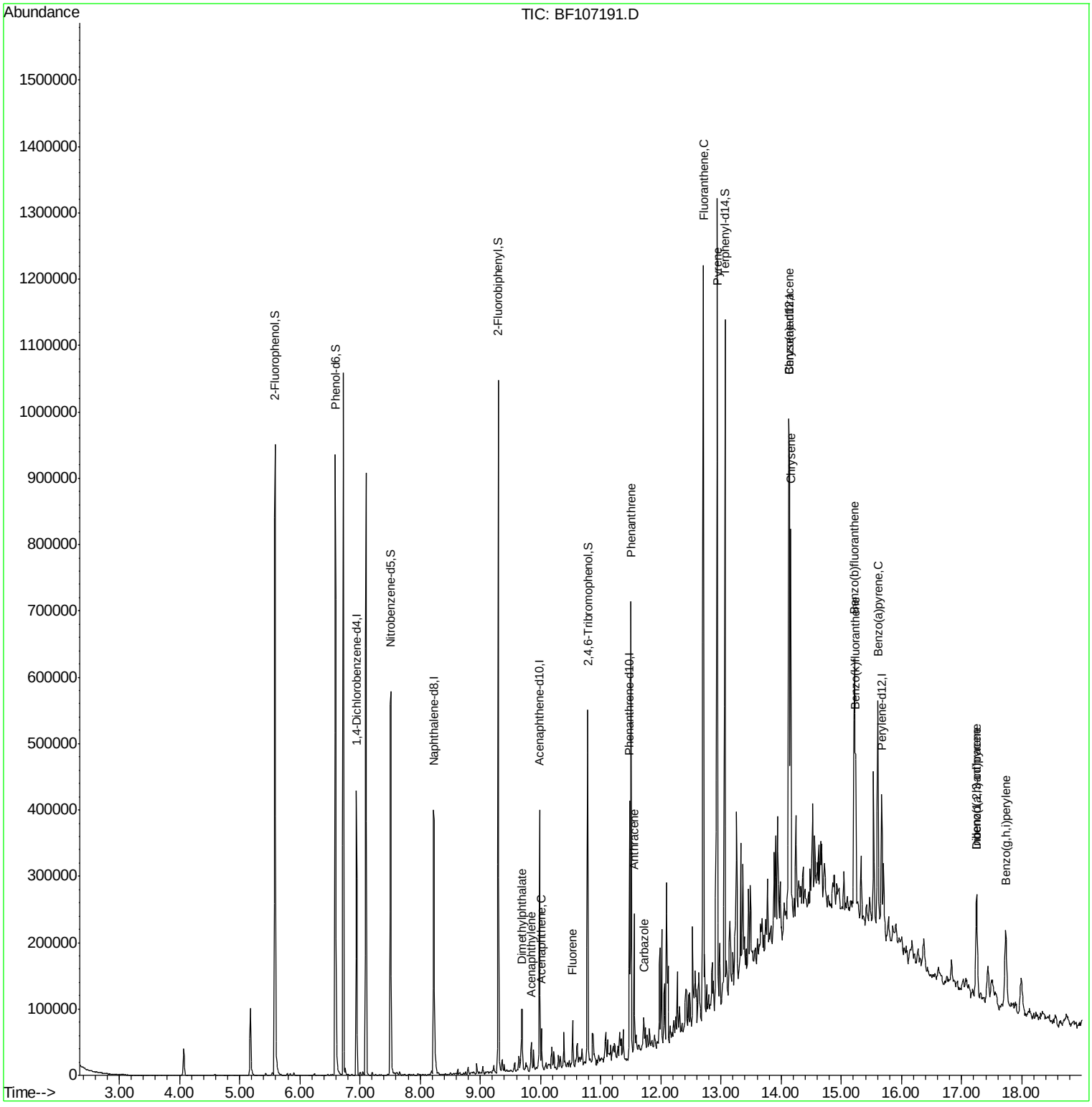
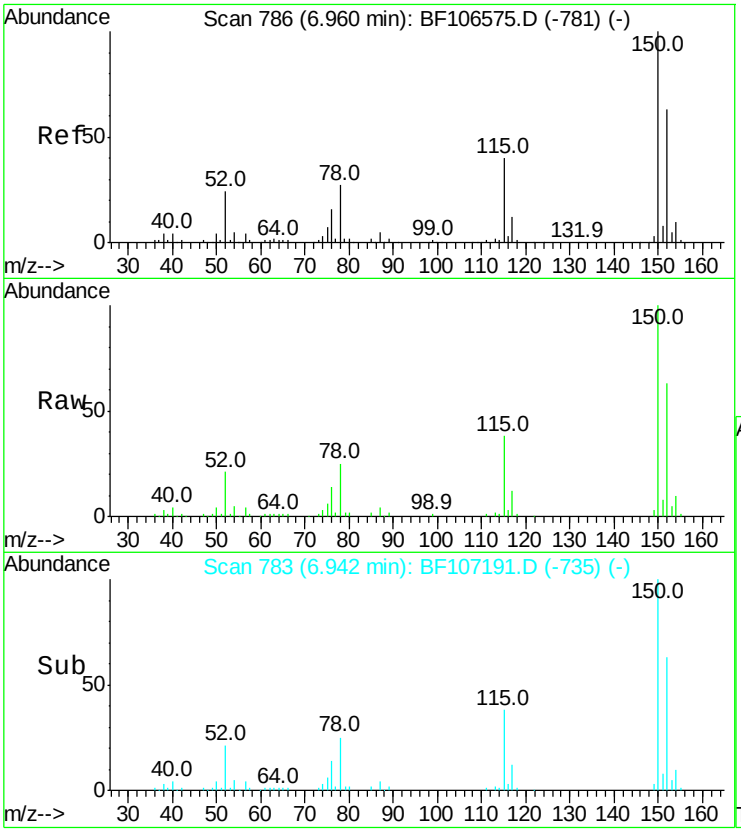
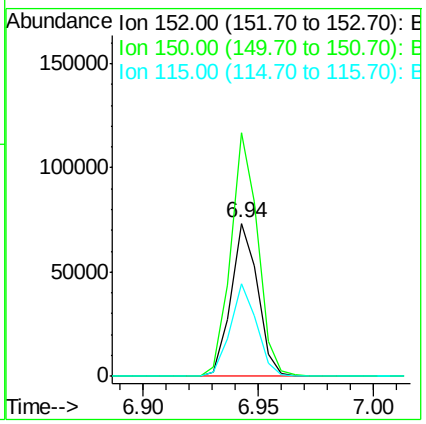




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:152 Resp: 59588

Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	60.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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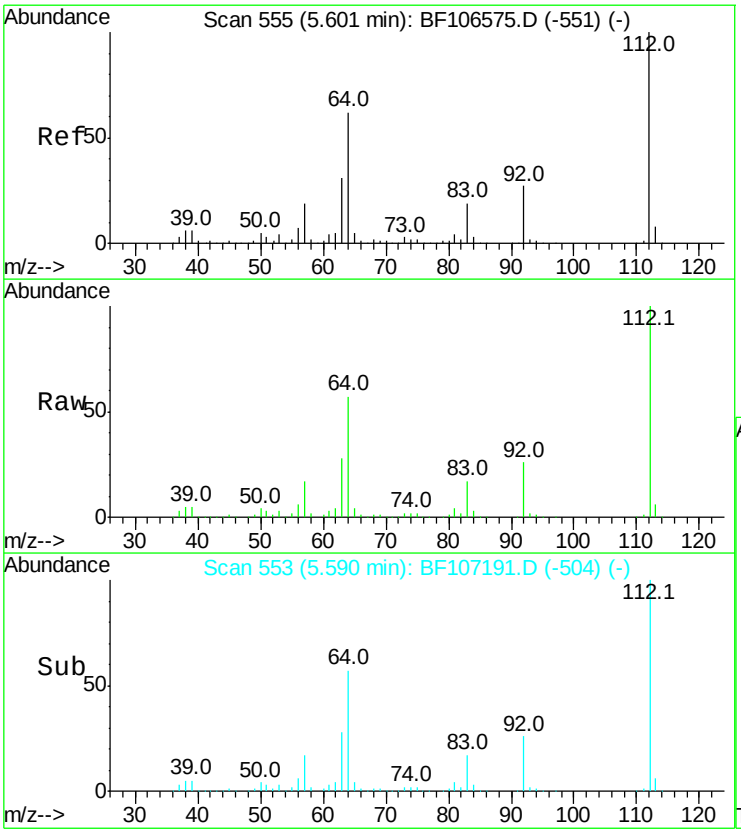
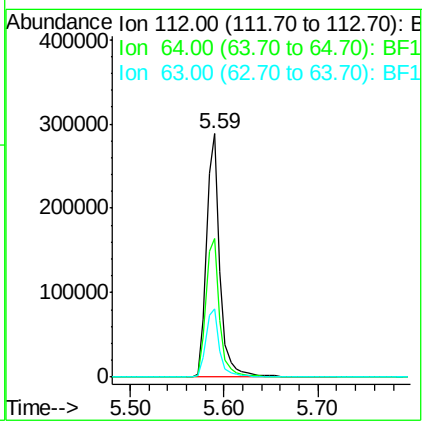
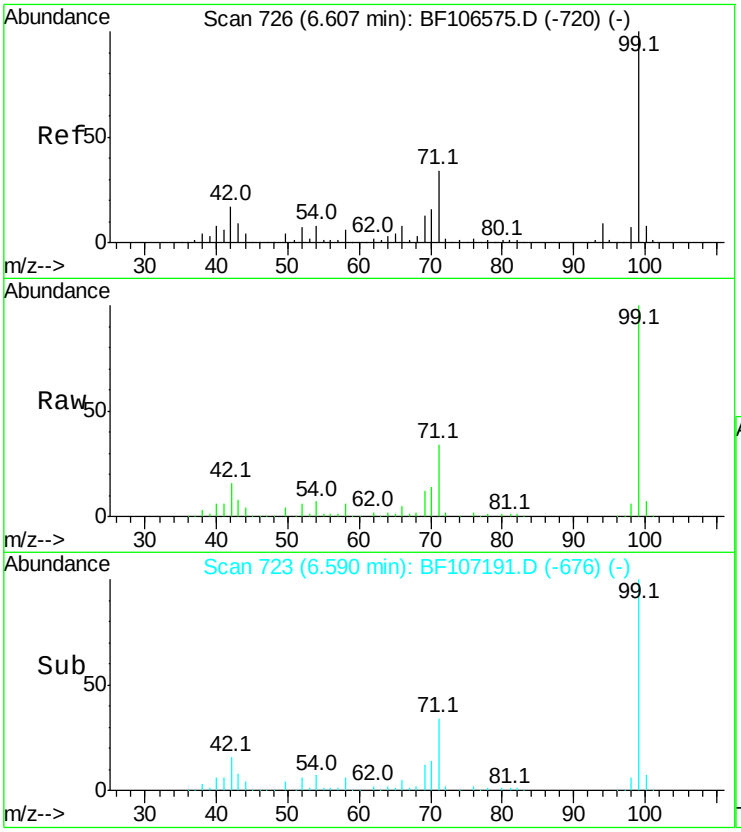


#5
2-Fluorophenol
Concen: 82.397 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:112 Resp: 289955

Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	28.0	23.7	35.5

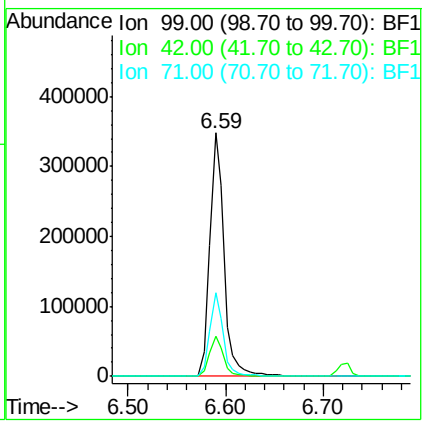




#7
Phenol-d6
Concen: 80.461 ng
RT: 6.59 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion: 99 Resp: 353591

Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	34.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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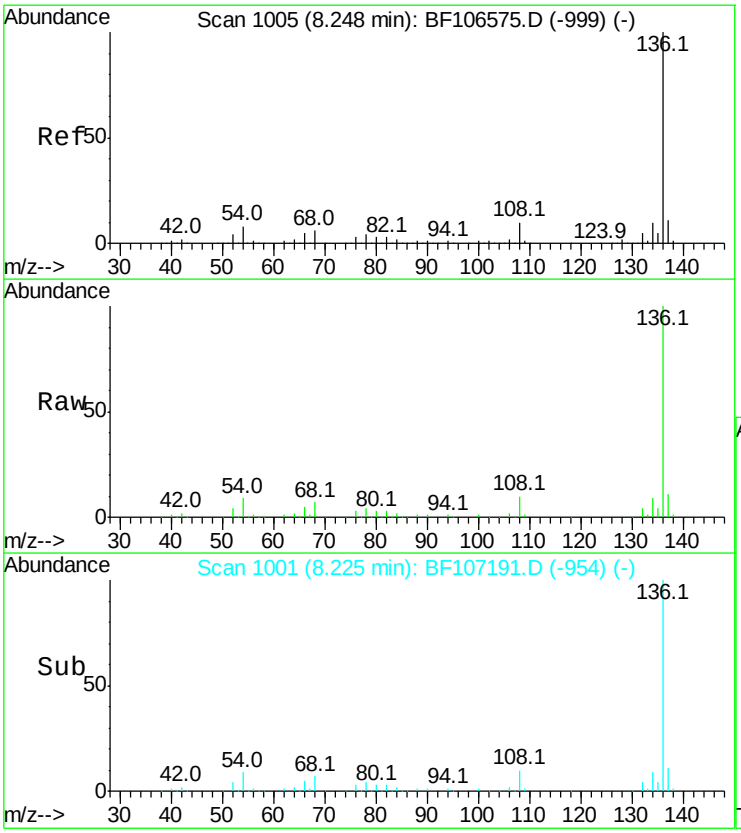
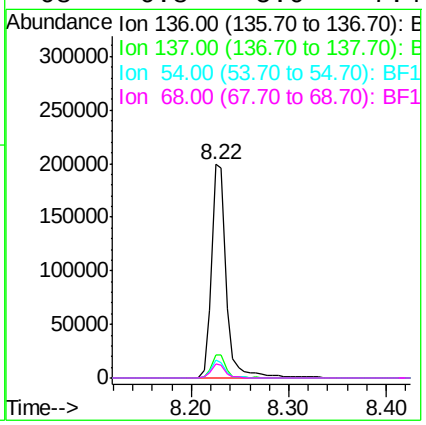
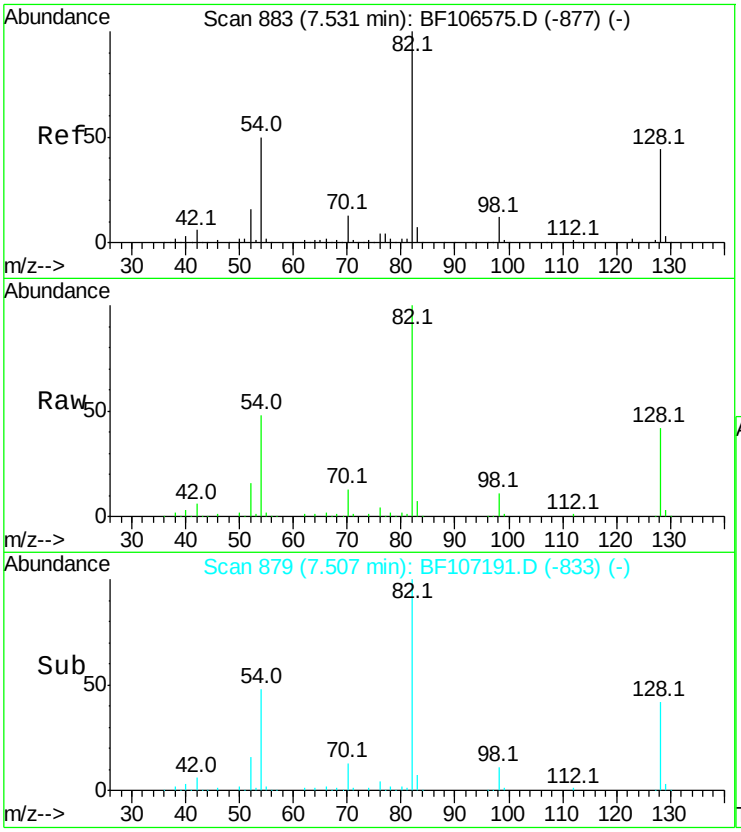


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:136 Resp: 209555

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.6	6.6	9.8
68	6.8	5.0	7.4

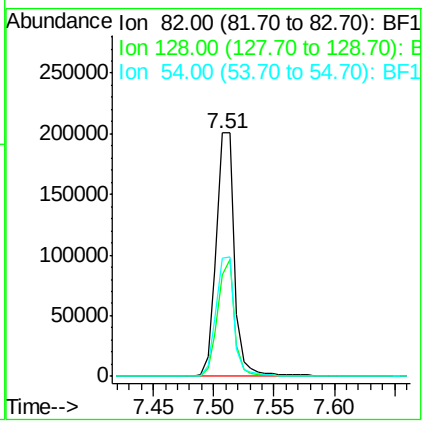




#23
Nitrobenzene-d5
Concen: 55.609 ng
RT: 7.51 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion: 82 Resp: 209687

Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	48.3	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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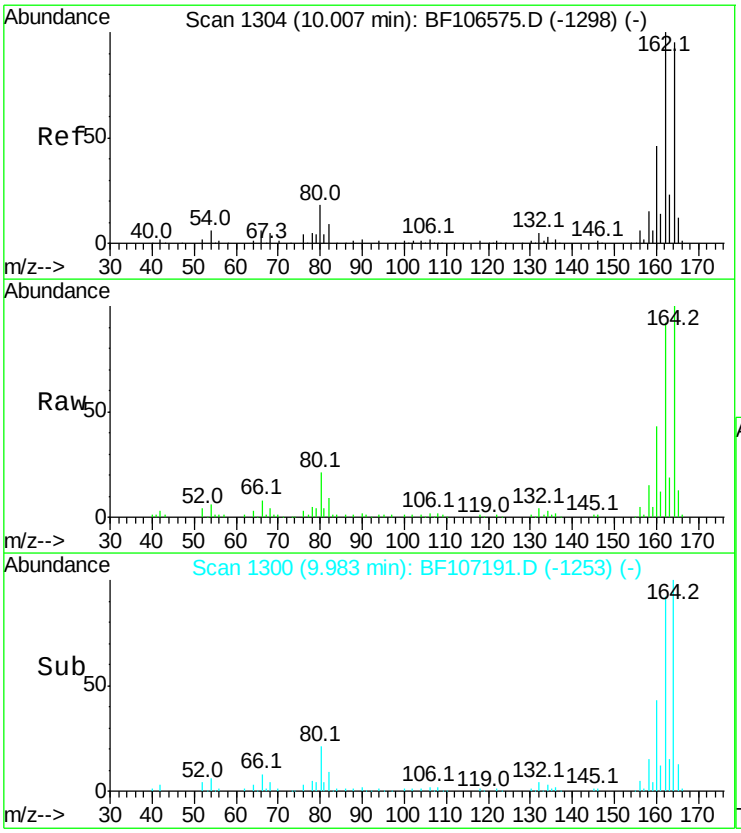
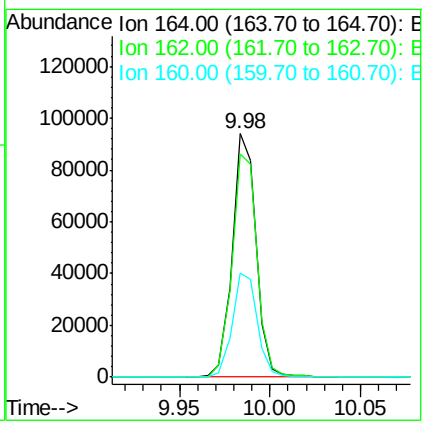
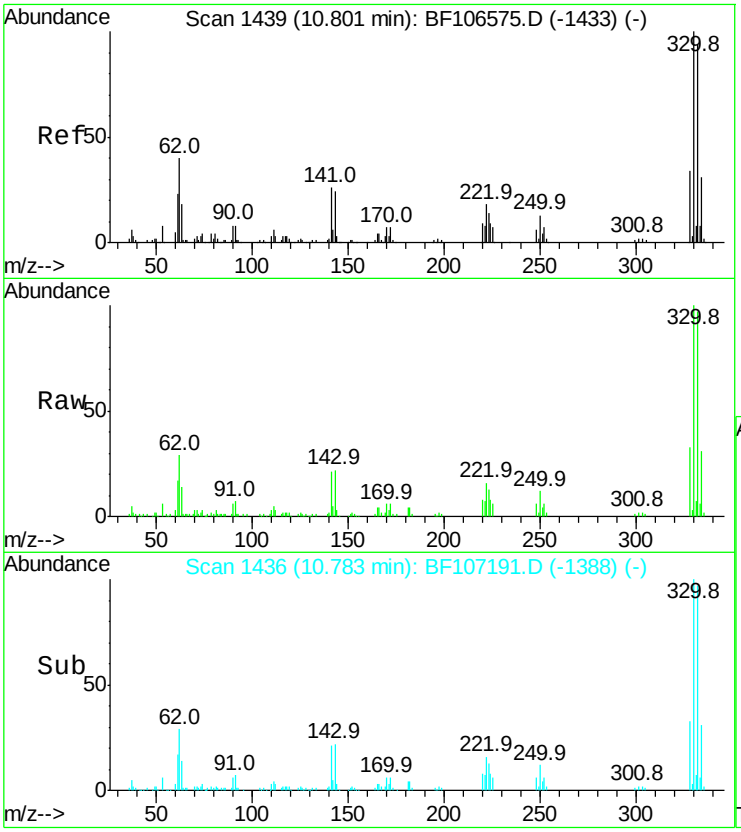


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:164 Resp: 85942

Ion	Ratio	Lower	Upper
164	100		
162	91.7	86.1	129.1
160	42.9	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 76.413 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:330 Resp: 76114

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	25.5	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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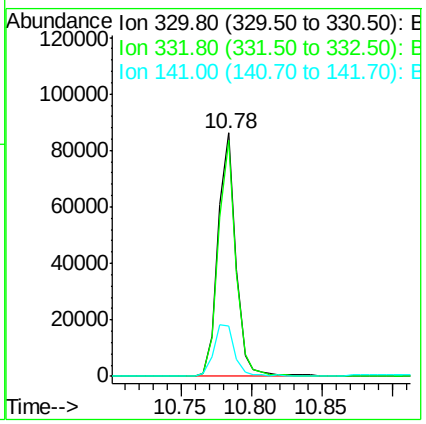
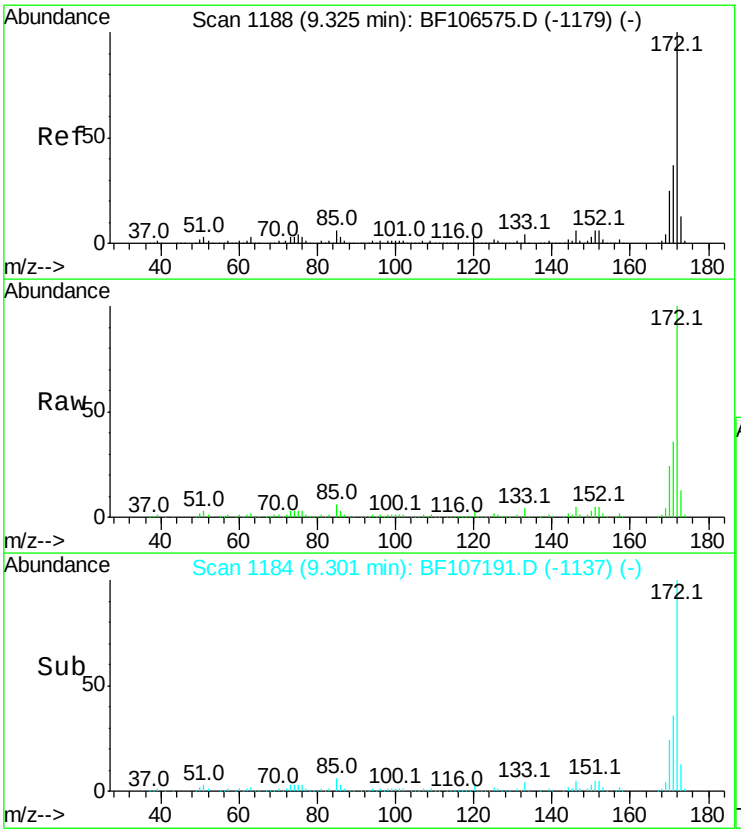
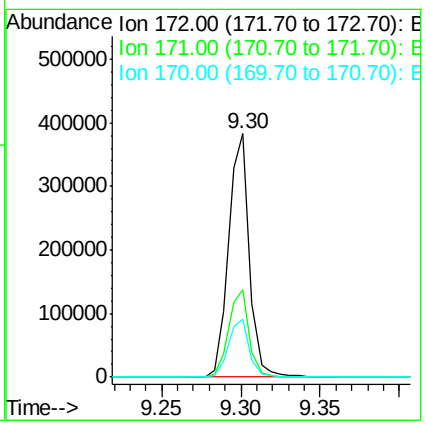


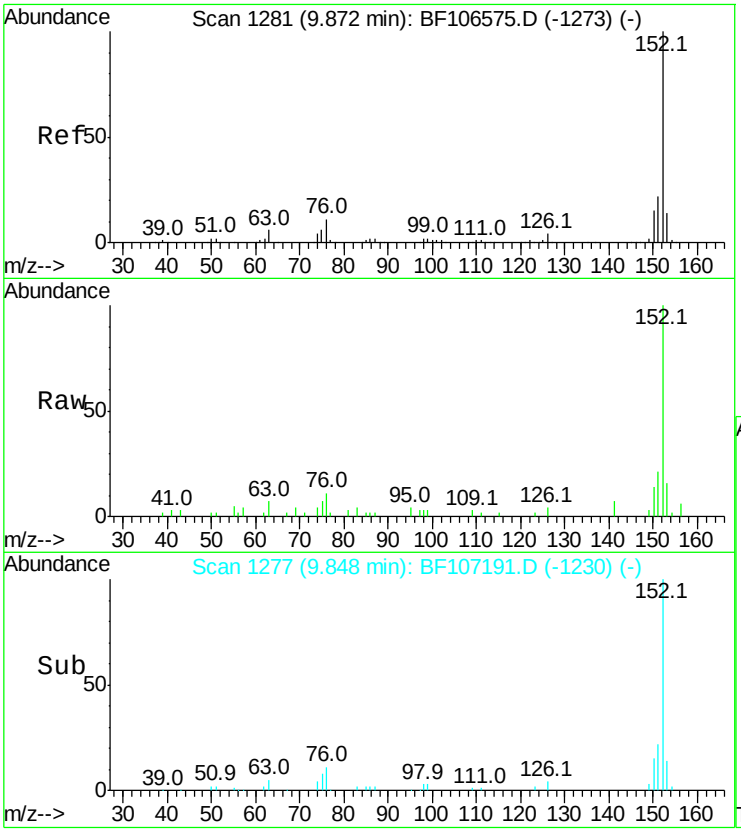


#44
2-Fluorobiphenyl
Concen: 64.672 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:172 Resp: 346282

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.6	19.6	29.4

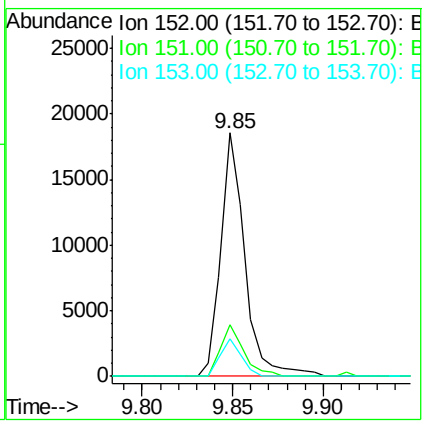




#48
Acenaphthylene
Concen: 2.019 ng
RT: 9.85 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:152 Resp: 17188

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5
153	15.6	10.7	16.1



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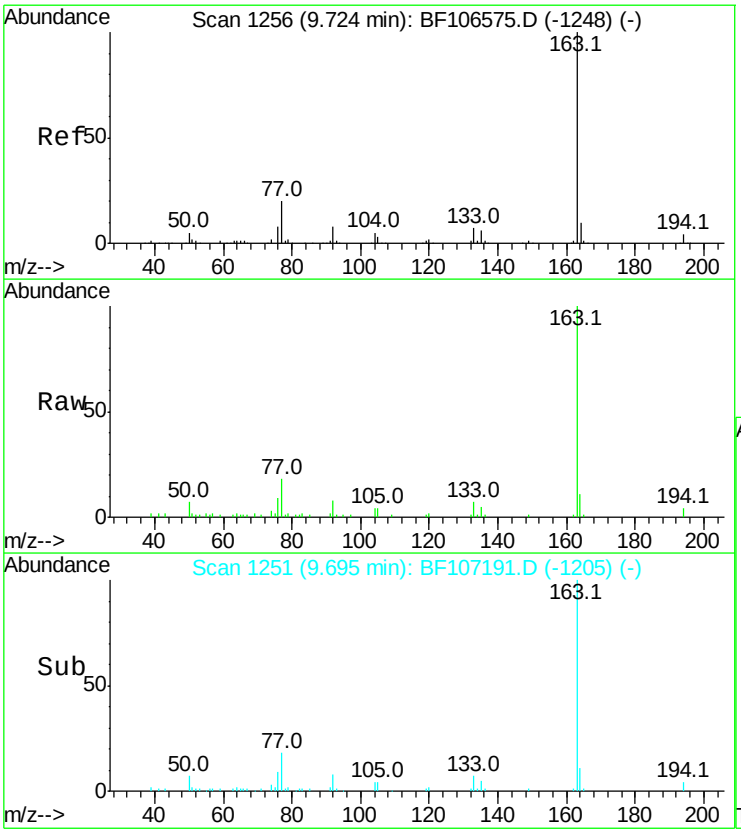
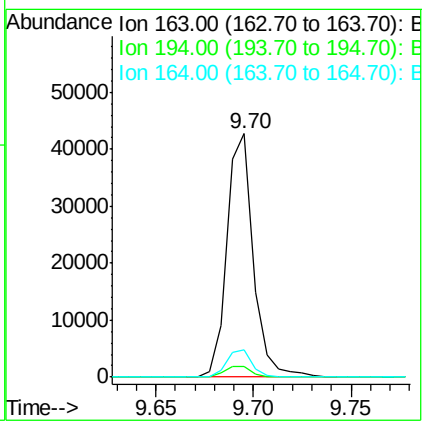
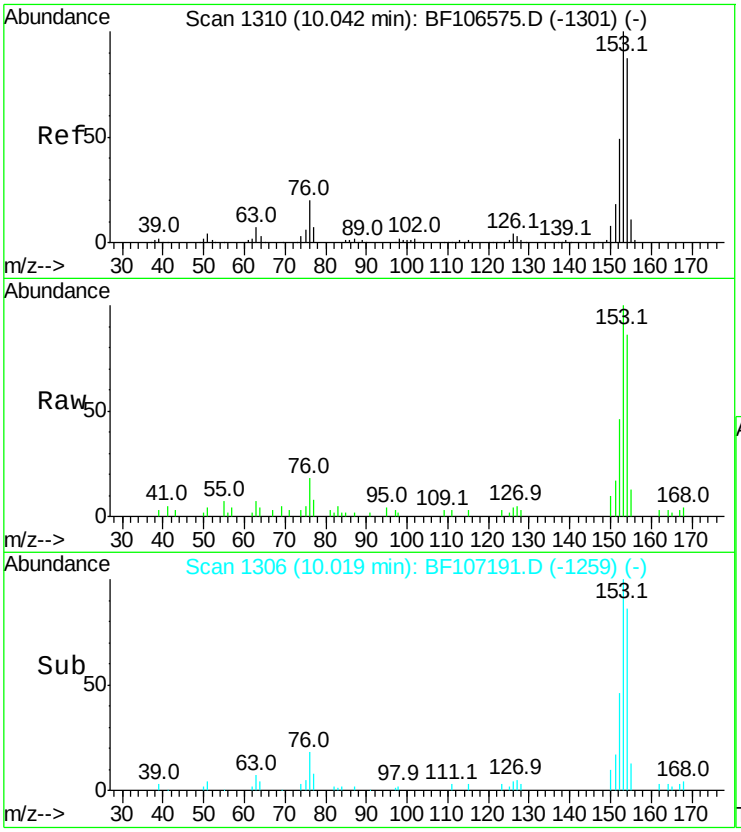


#49
Dimethylphthalate
Concen: 6.199 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:163 Resp: 39958

Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	11.1	8.2	12.2

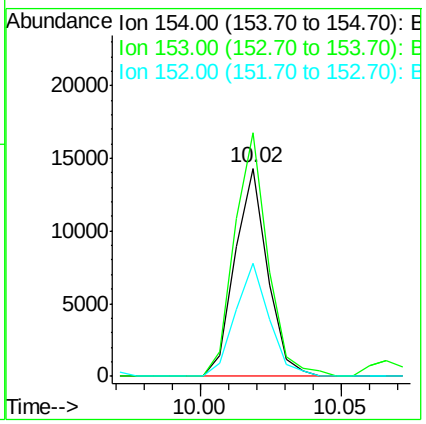




#51
Acenaphthene
Concen: 2.143 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:154 Resp: 11487

Ion	Ratio	Lower	Upper
154	100		
153	116.9	91.2	136.8
152	54.2	43.8	65.8



Instrument :
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ClientSampleId :
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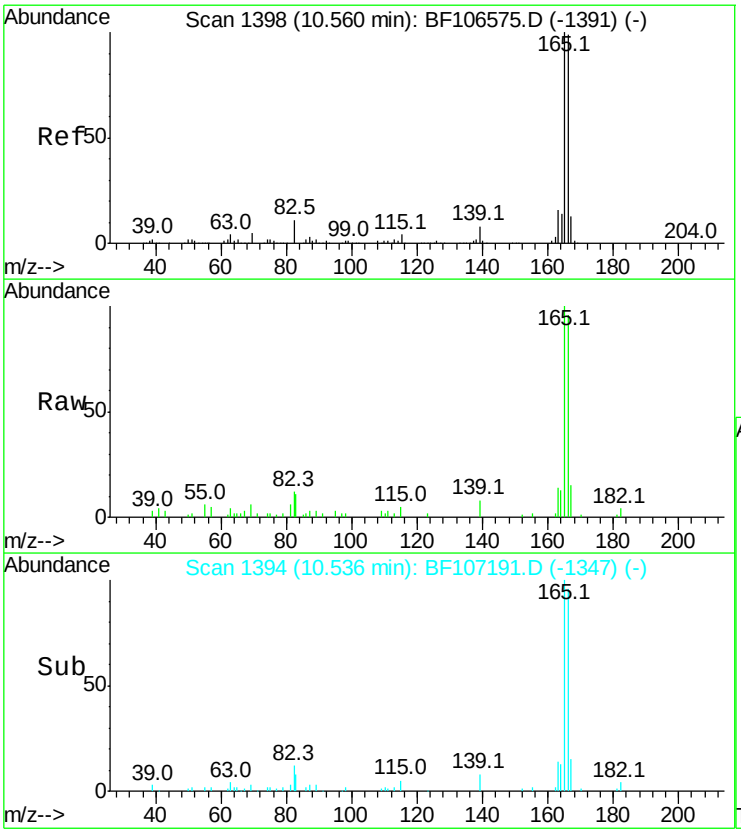
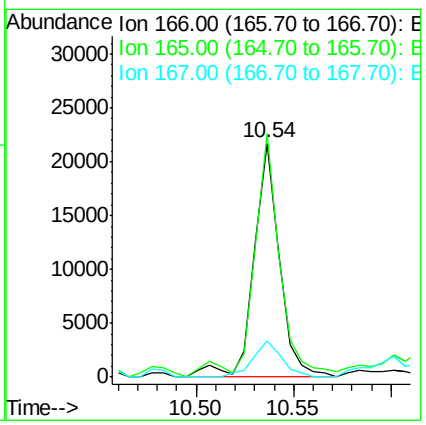
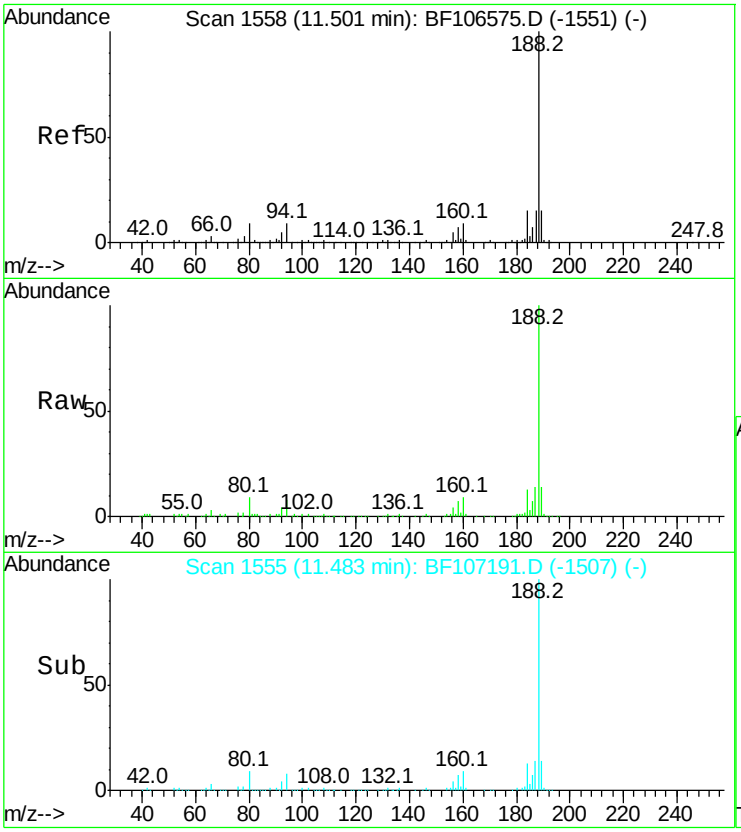


#57
Fluorene
Concen: 3.397 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:166 Resp: 19783

Ion	Ratio	Lower	Upper
166	100		
165	104.1	79.8	119.8
167	15.2	10.6	16.0





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:188 Resp: 158649

Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.7	9.2	13.8#

Instrument :
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ClientSampleId :
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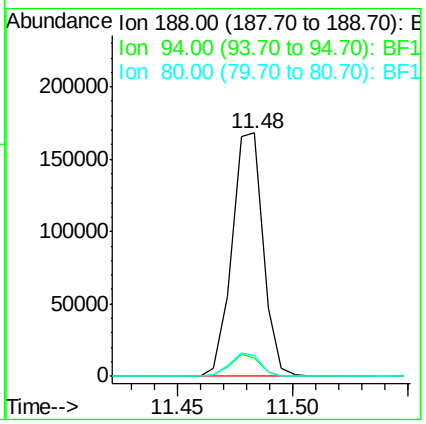
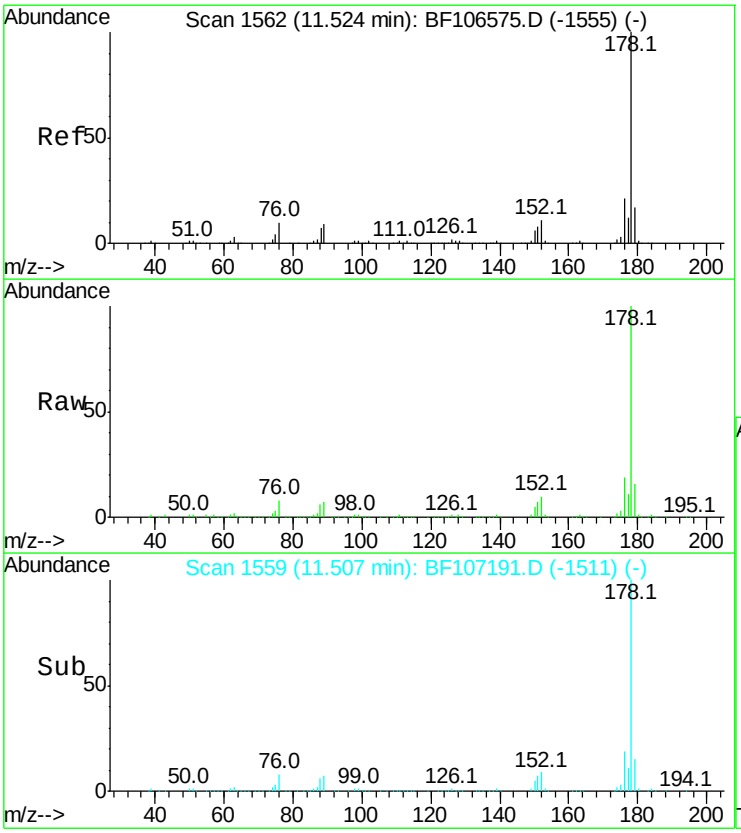
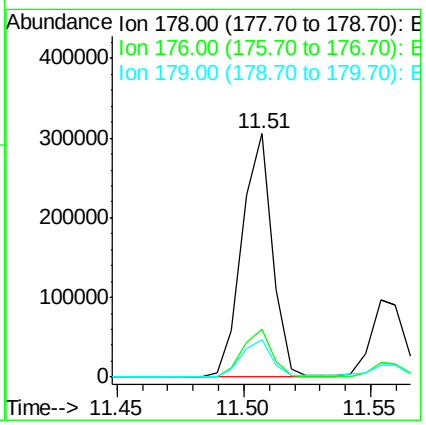


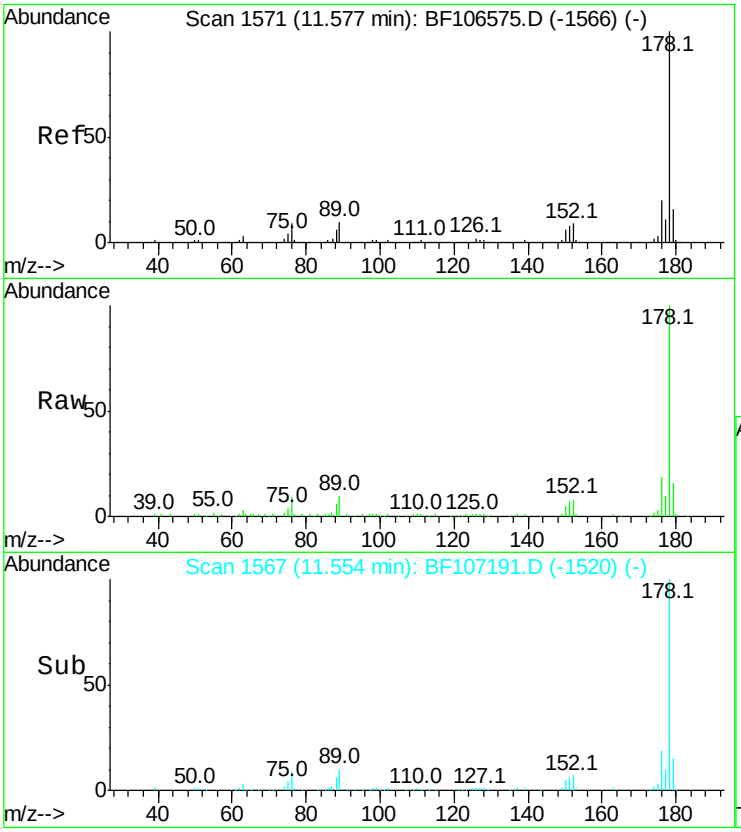


#70
Phenanthrene
Concen: 33.381 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:178 Resp: 255427

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	13.0	19.6

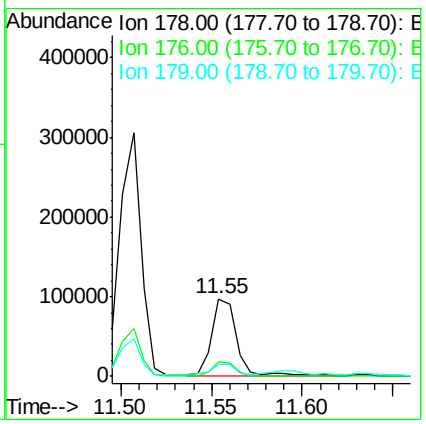




#71
Anthracene
Concen: 11.741 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:178 Resp: 91701

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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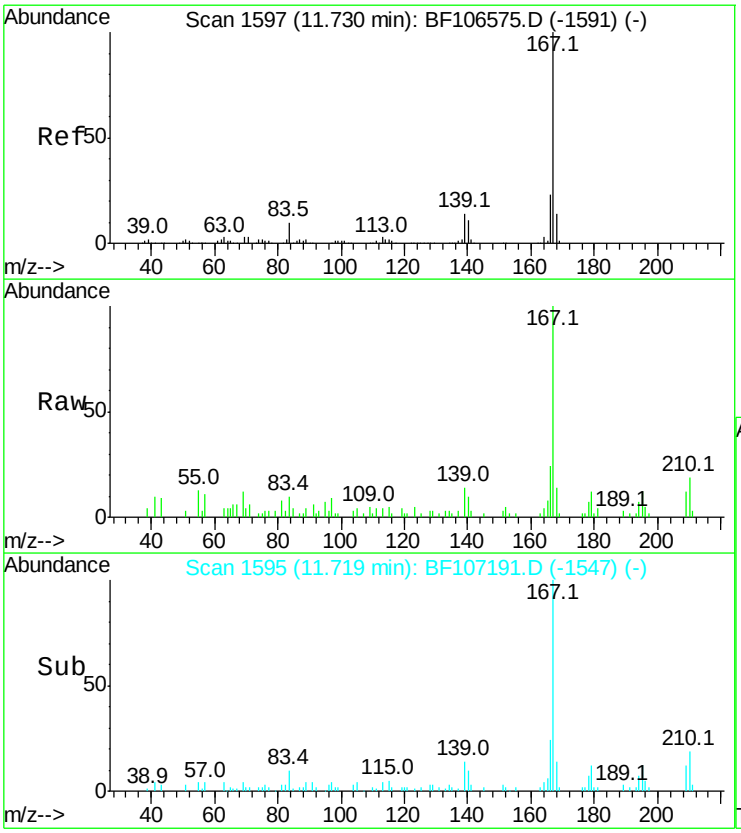
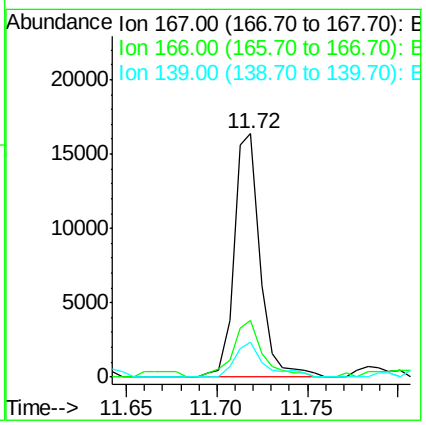
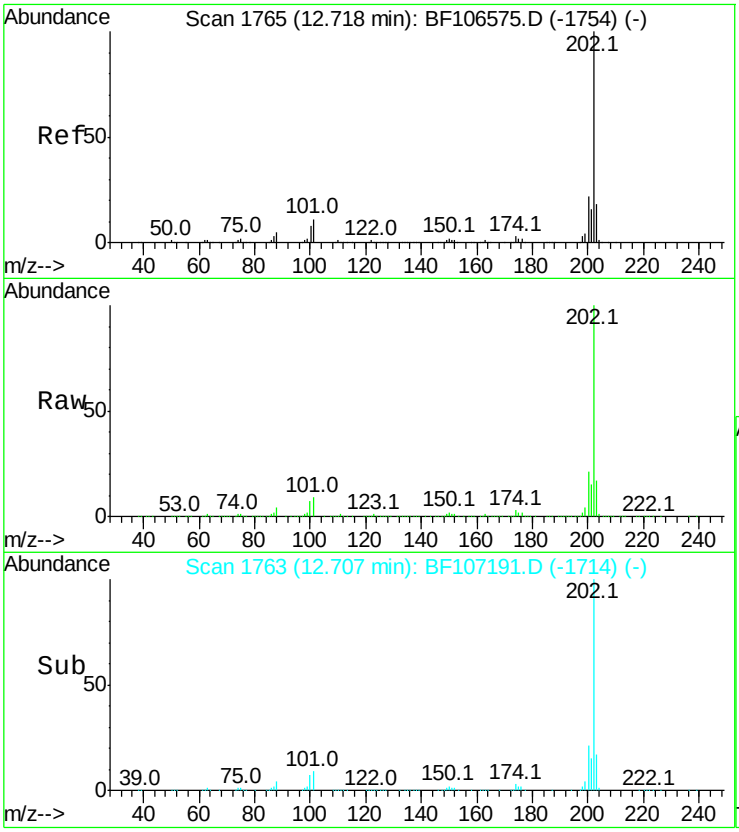


#72
Carbazole
Concen: 2.238 ng
RT: 11.72 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:167 Resp: 16368

Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.6	26.4
139	14.3	10.9	16.3

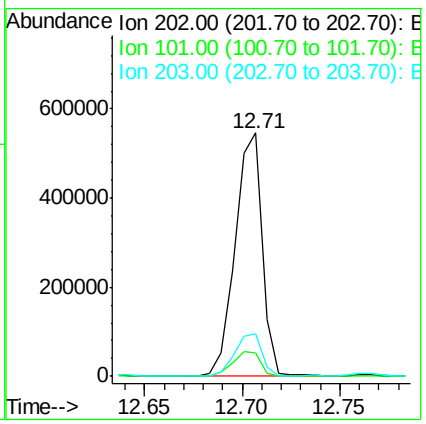




#74
Fluoranthene
Concen: 62.251 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:202 Resp: 525026

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	17.3	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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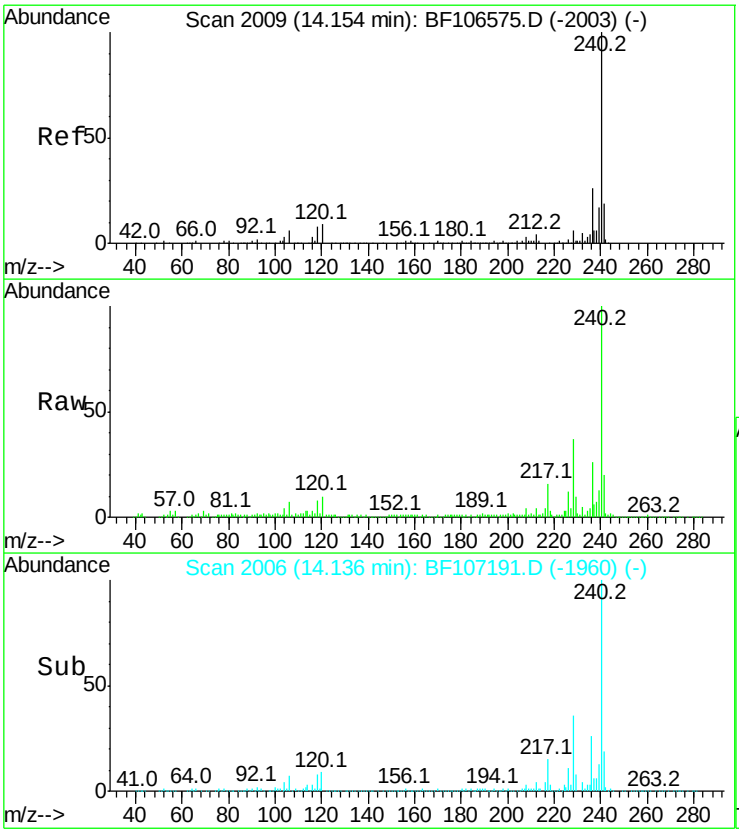
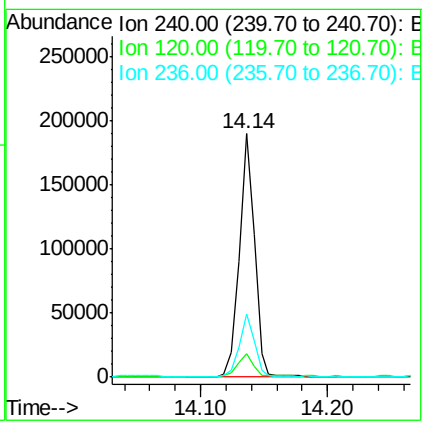
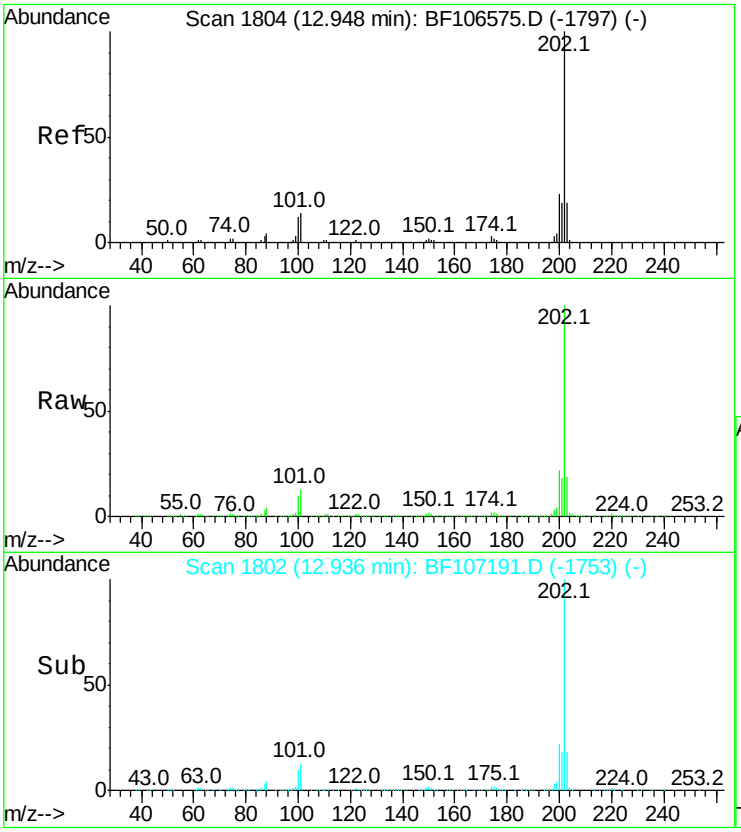


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:240 Resp: 154075

Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	26.0	20.7	31.1

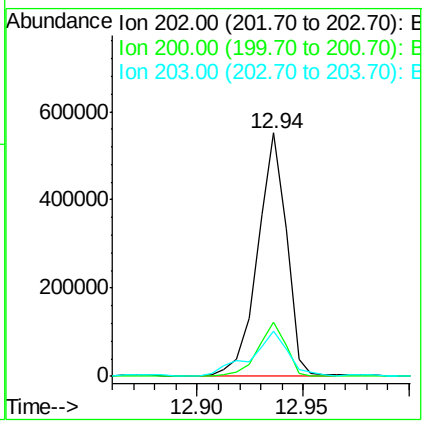




#77
Pyrene
Concen: 51.806 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:202 Resp: 526362

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.6	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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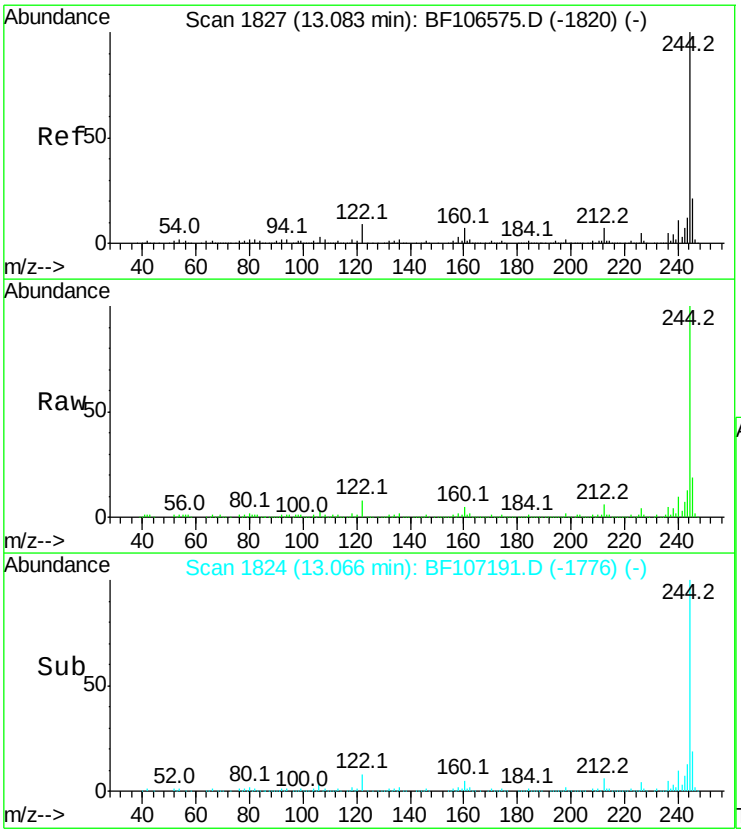
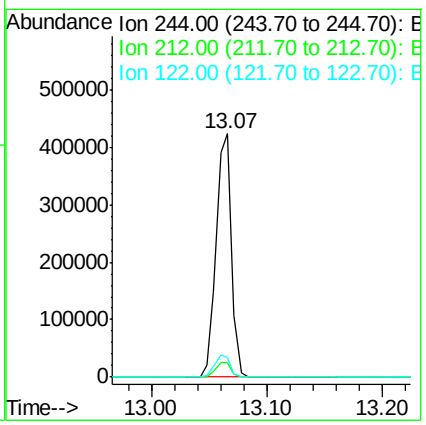
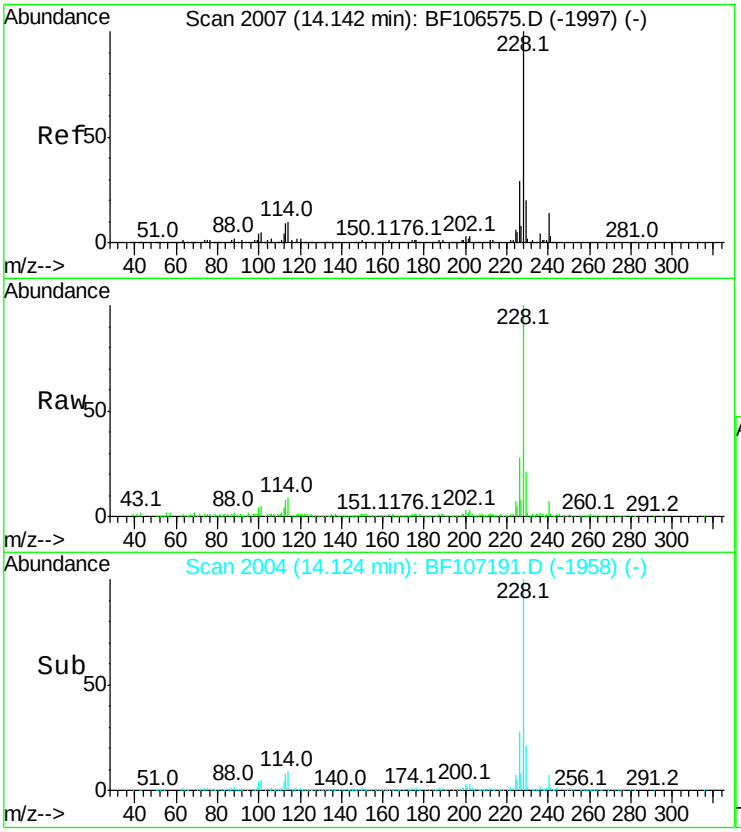


#78
Terphenyl-d14
Concen: 61.501 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:244 Resp: 391186

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	7.9	11.0	16.4#

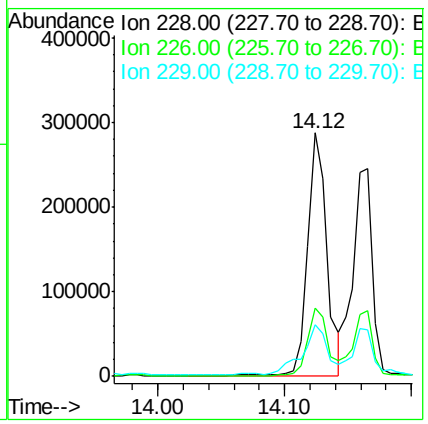




#80
Benzo(a)anthracene
Concen: 32.124 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:228 Resp: 301655

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.1	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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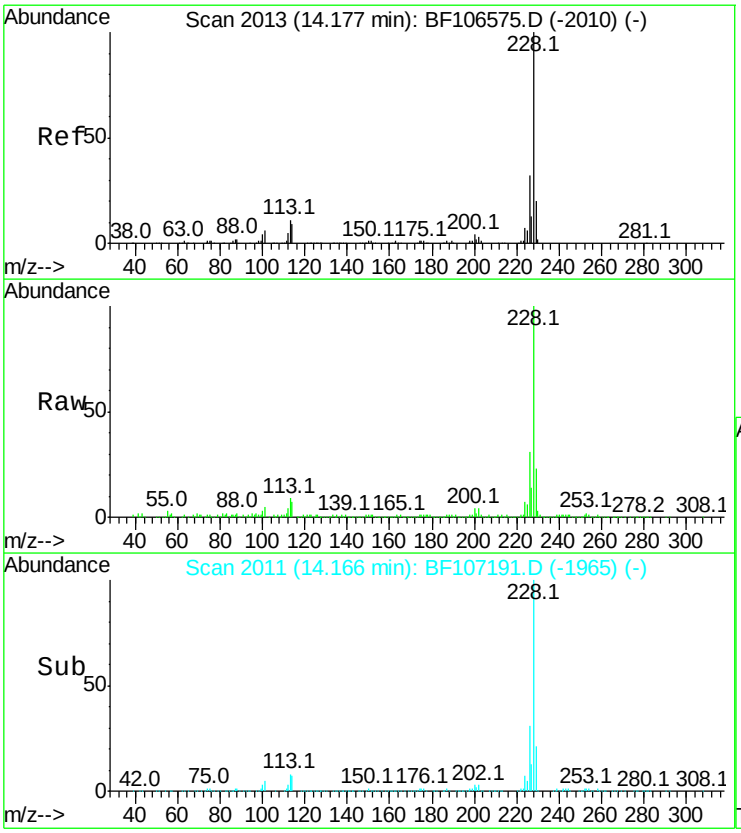
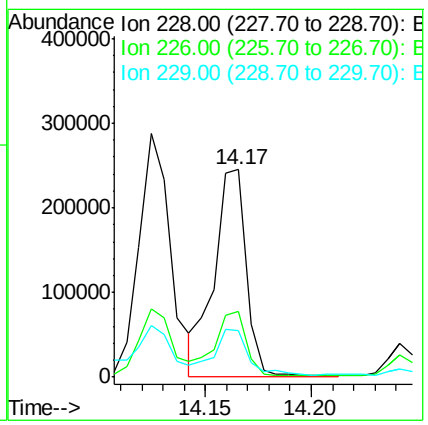
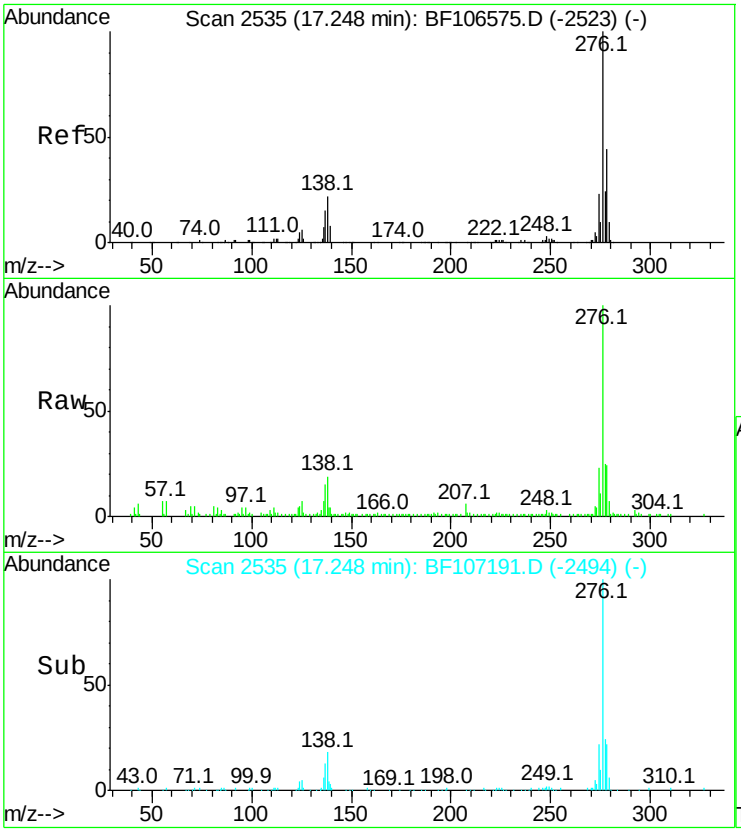


#82
Chrysene
Concen: 29.845 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:228 Resp: 257831

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.6	16.2	24.4

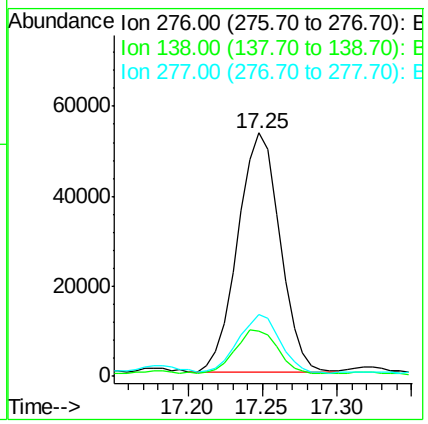




#85
Indeno(1,2,3-cd)pyrene
Concen: 14.241 ng
RT: 17.25 min Scan# 2535
Delta R.T. -0.06 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:276 Resp: 104409

Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.0	37.6#
277	24.5	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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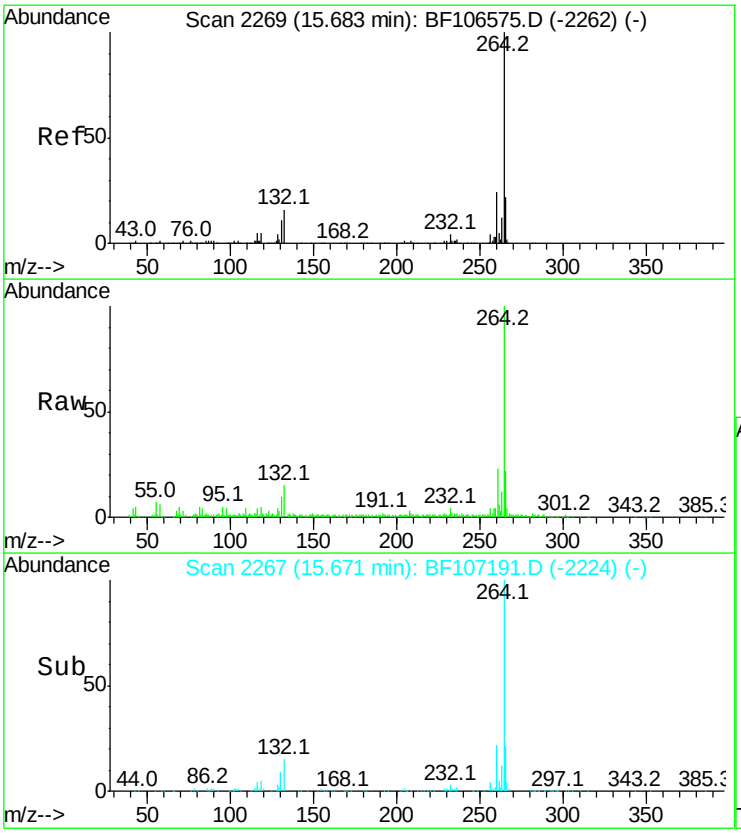
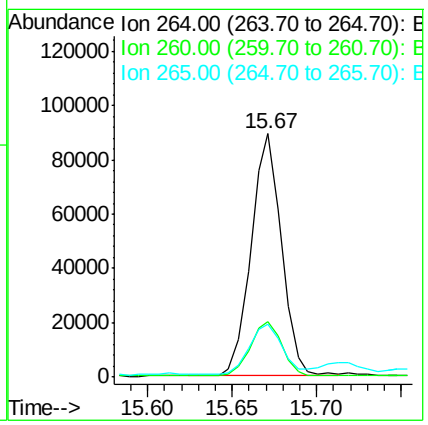
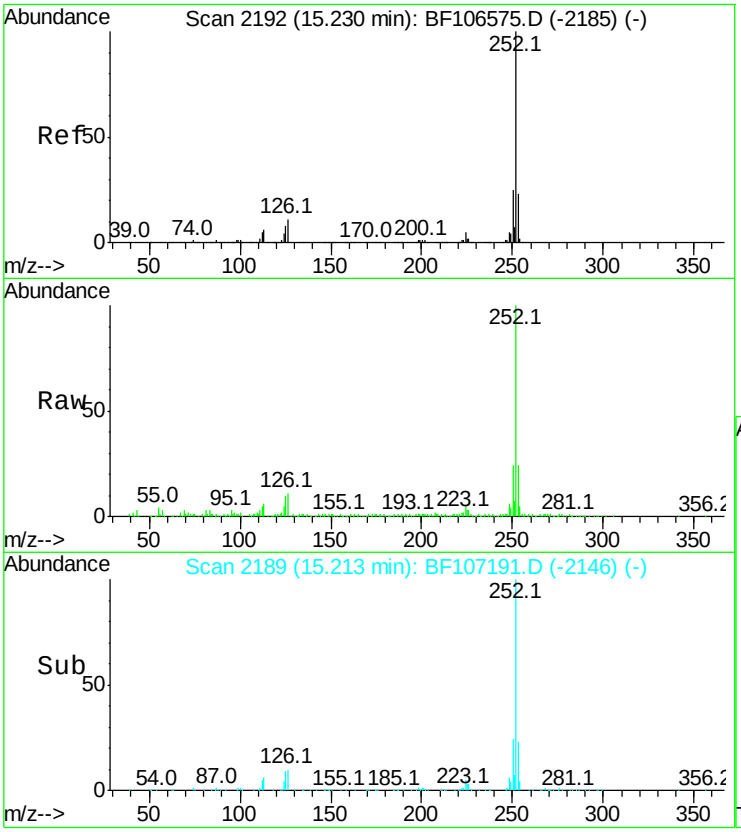


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:264 Resp: 112036

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.6	17.5	26.3

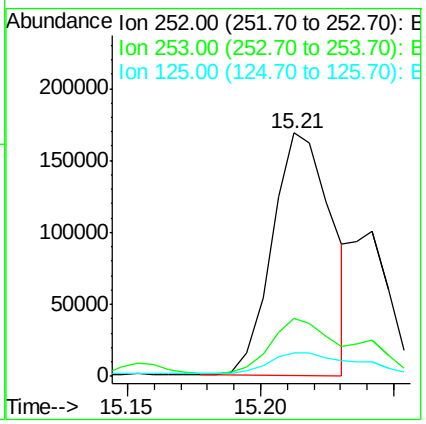




#87
Benzo(b)fluoranthene
Concen: 37.378 ng m
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:252 Resp: 260136

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	9.8	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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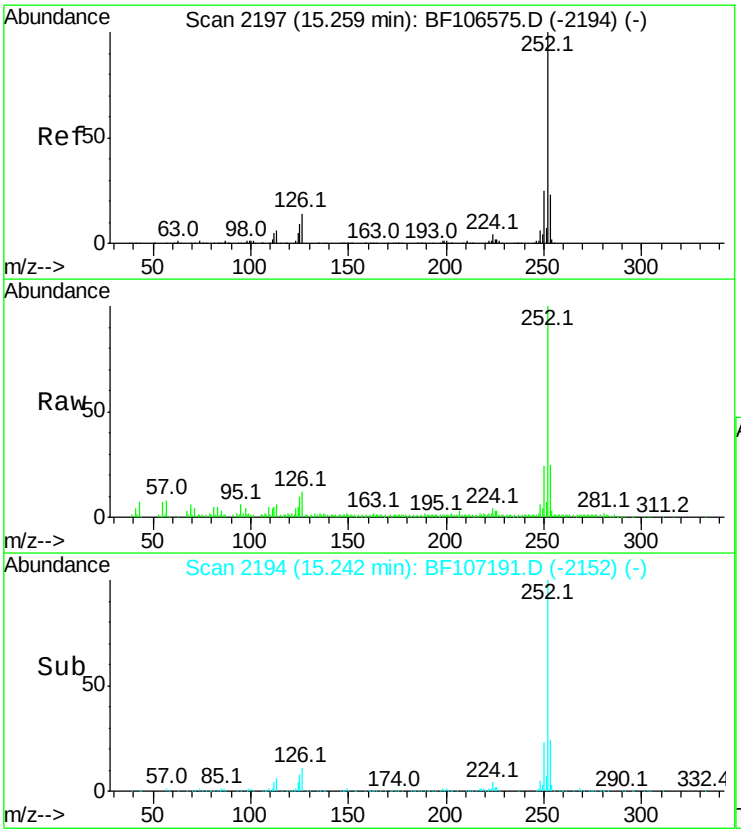
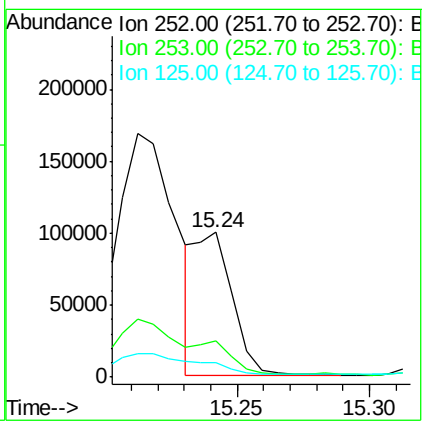
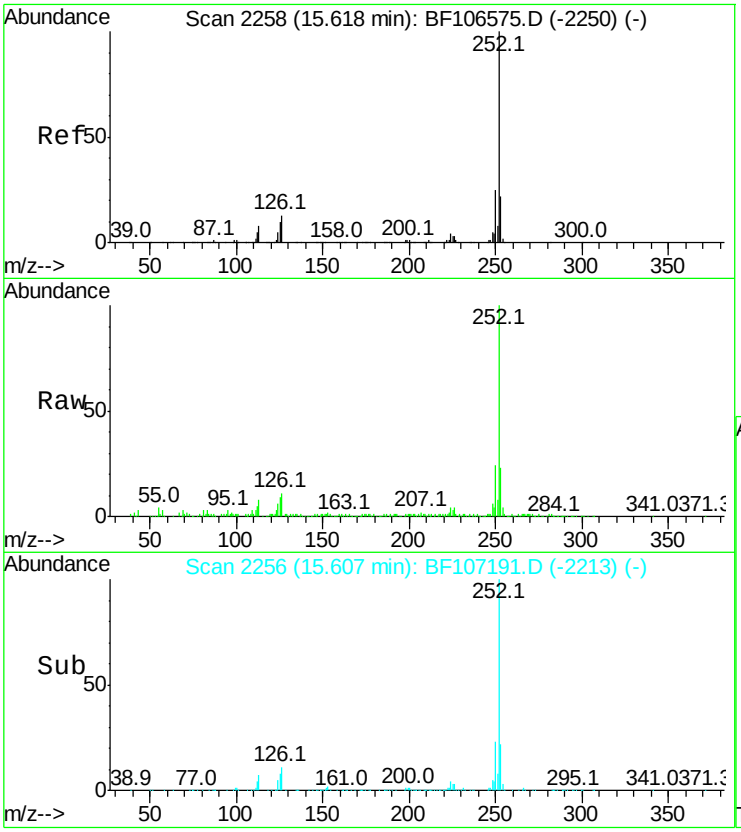


#88
Benzo(k)fluoranthene
Concen: 14.791 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:252 Resp: 98026

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	9.9	10.2	15.2#





#89
Benzo(a)pyrene
Concen: 30.026 ng m
RT: 15.61 min Scan# 2256
Delta R.T. -0.05 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:252 Resp: 185766

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	9.4	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
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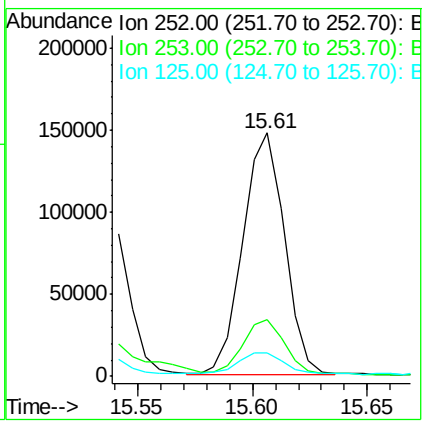
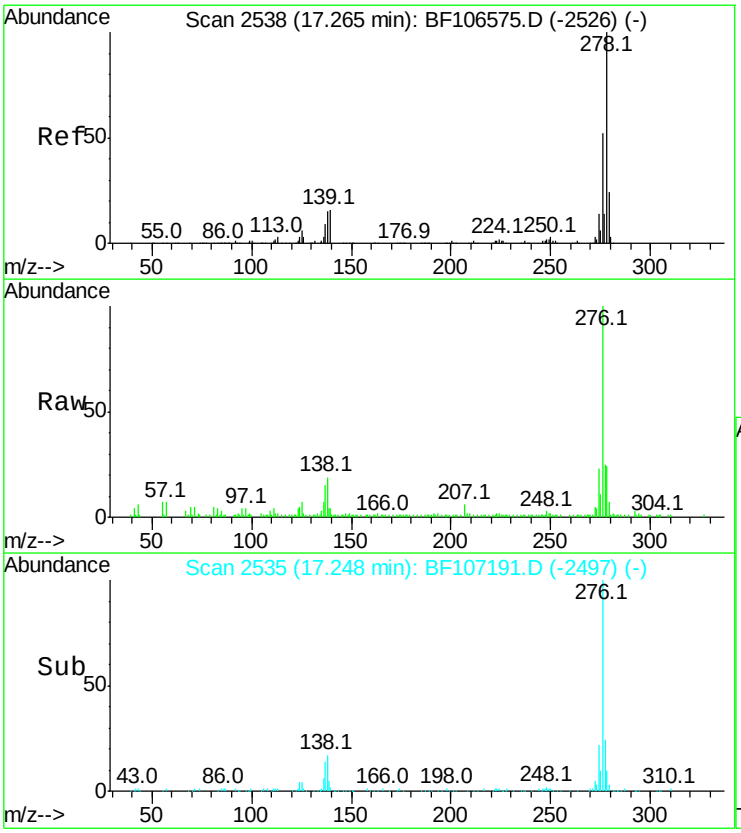
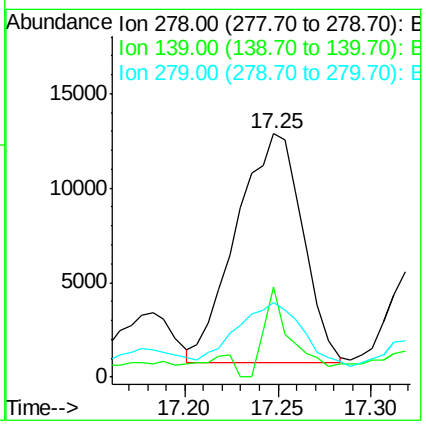


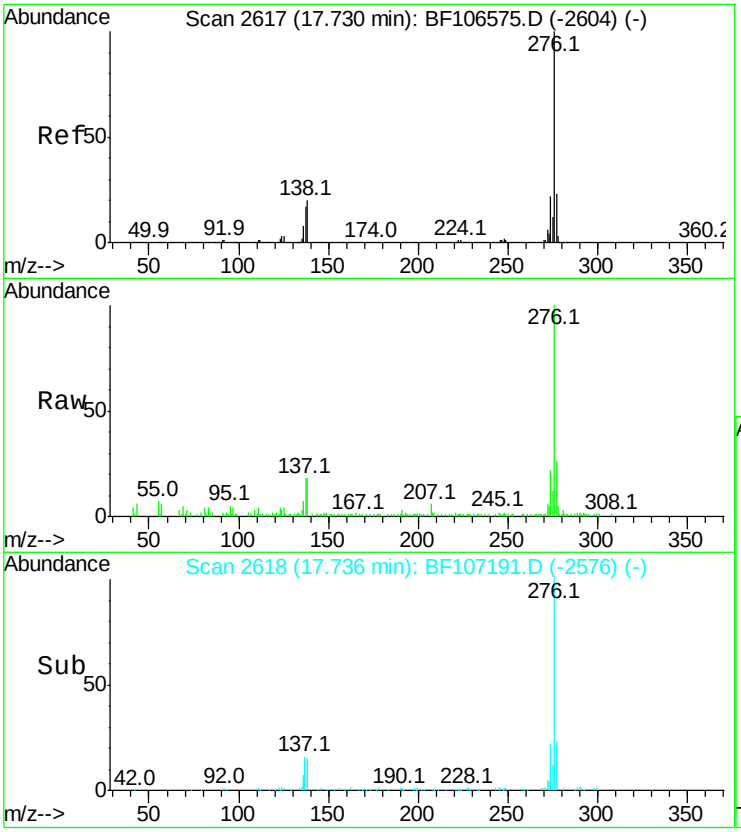


#90
Dibenzo(a,h)anthracene
Concen: 5.703 ng m
RT: 17.25 min Scan# 2535
Delta R.T. -0.08 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:278 Resp: 29903

Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.9	23.9
279	30.9	19.0	28.4#

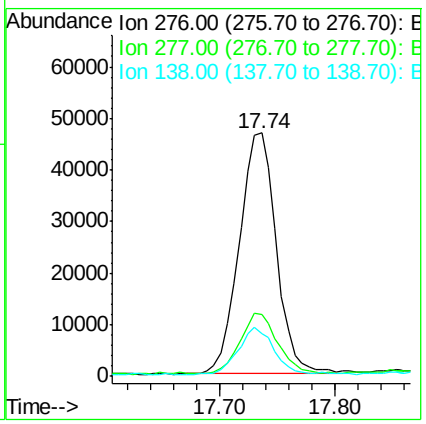




#91
Benzo(g,h,i)perylene
Concen: 20.410 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.05 min
Lab File: BF107191.D
Acq: 6 Jul 2018 23:27

Tgt Ion:276 Resp: 104603

Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	17.8	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
ZER-SB-101-03-04-0-11

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