Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-072718

Manual Integrations APPROVED
Sohil
7/31/2018 2:42:53 PM

Quant Time: Jul 31 10:29:34 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	189968	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	809298	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	326250	20.00	ng		0.00
63) Phenanthrene-d10	11.49	188	542532	20.00	ng		0.00
75) Chrysene-d12	14.15	240	491748	20.00	ng		0.00
86) Perylene-d12	15.69	264	428550	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	569766	50.97	ng		0.00
7) Phenol-d6	6.60	99	759518	51.56	ng		0.00
23) Nitrobenzene-d5	7.52	82	461360	32.84	ng		-0.01
41) 2,4,6-Tribromophenol	10.80	330	170992	38.57	ng		0.00
44) 2-Fluorobiphenyl	9.31	172	912752	38.99	ng		0.00
78) Terphenyl-d14	13.08	244	766721	33.81	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.87	152	89862	2.589	ng		98
49) Dimethylphthalate	9.71	163	67463	2.753	ng	#	99
51) Acenaphthene	10.03	154	71556	3.549	ng		97
57) Fluorene	10.55	166	75040	3.098	ng	#	93
70) Phenanthrene	11.52	178	759314	29.475	ng		100
71) Anthracene	11.57	178	342962	11.542	ng		98
72) Carbazole	11.74	167	88639	3.019	ng		96
74) Fluoranthene	12.72	202	1660000	54.850	ng		98
77) Pyrene	12.95	202	1585521	44.776	ng		98
80) Benzo(a)anthracene	14.14	228	910538	32.688	ng		95
82) Chrysene	14.18	228	869694	28.946	ng		98
85) Indeno(1,2,3-cd)pyrene	17.27	276	450888m	19.730	ng		
87) Benzo(b)fluoranthene	15.23	252	905350m	42.834	ng		
88) Benzo(k)fluoranthene	15.26	252	458323m	17.662	ng		
89) Benzo(a)pyrene	15.62	252	768114	35.203	ng		98
90) Dibenzo(a,h)anthracene	17.28	278	70605	3.710	ng	#	86
91) Benzo(g,h,i)perylene	17.75	276	420569	22.837	ng		95

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

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Manual Integrations APPROVED
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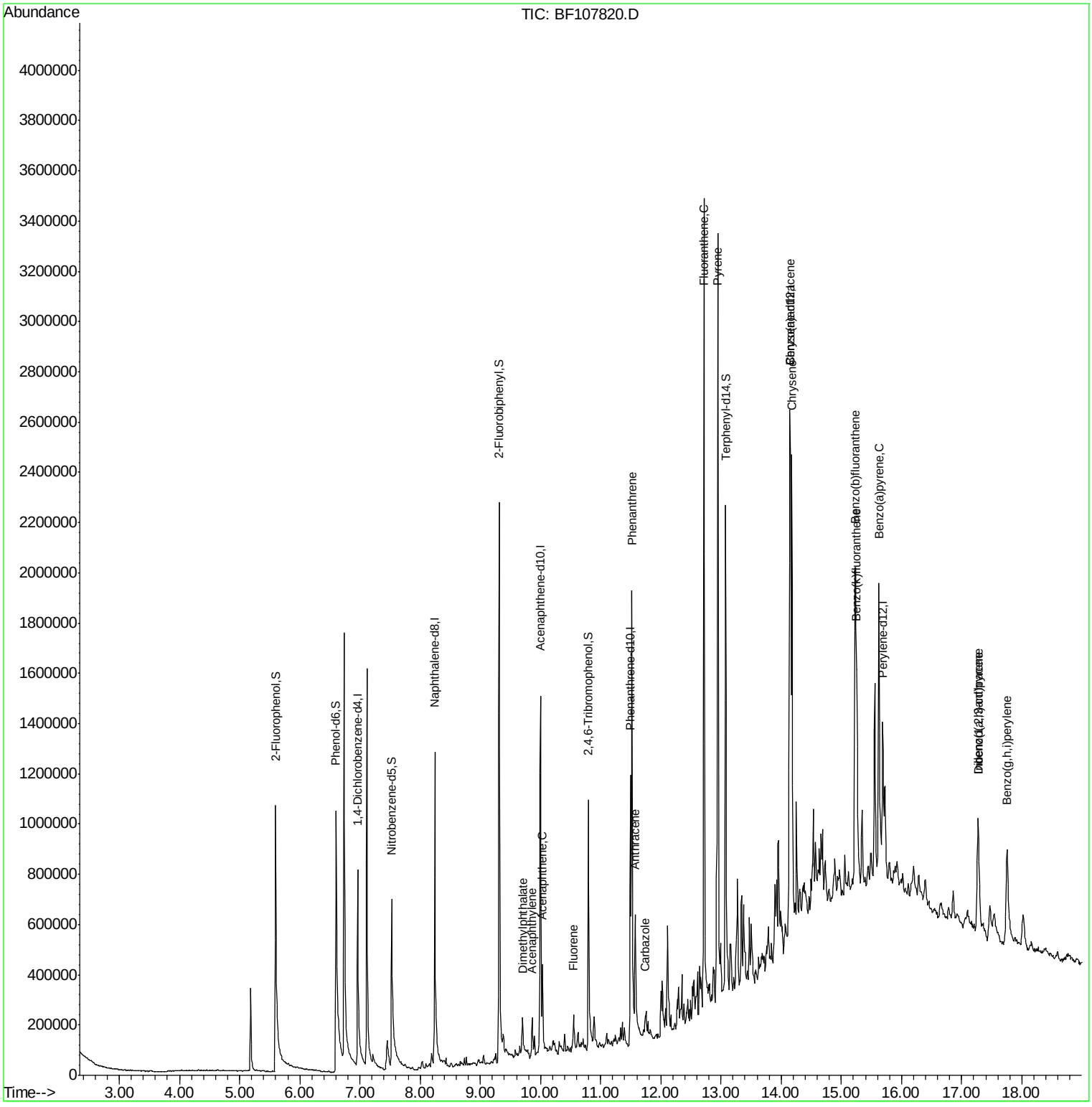
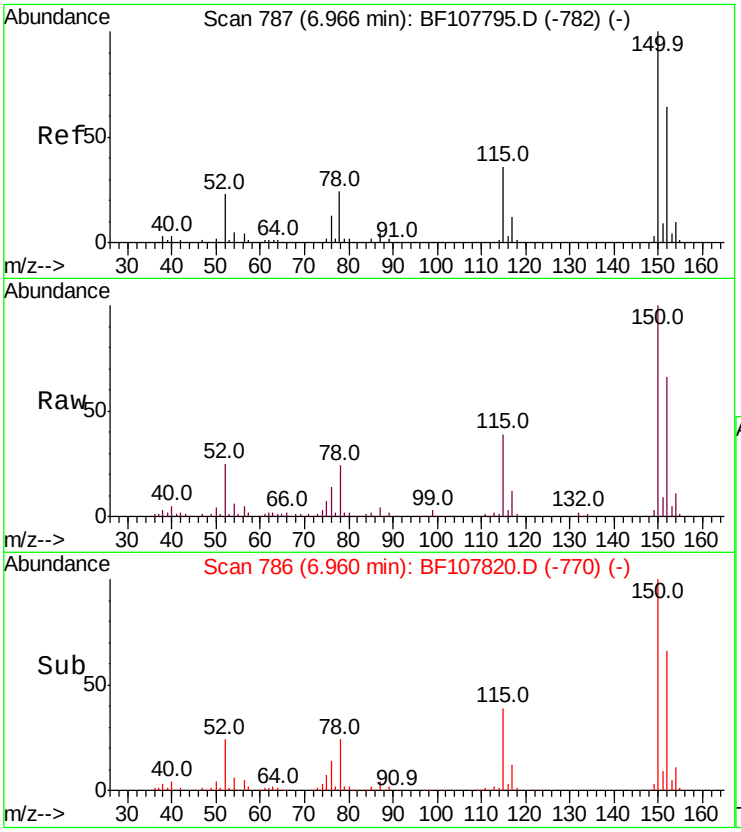
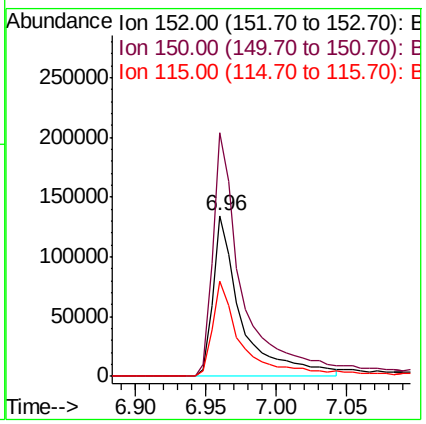




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:152 Resp: 189968

Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.6	186.8
115	59.4	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
SU-03-072718

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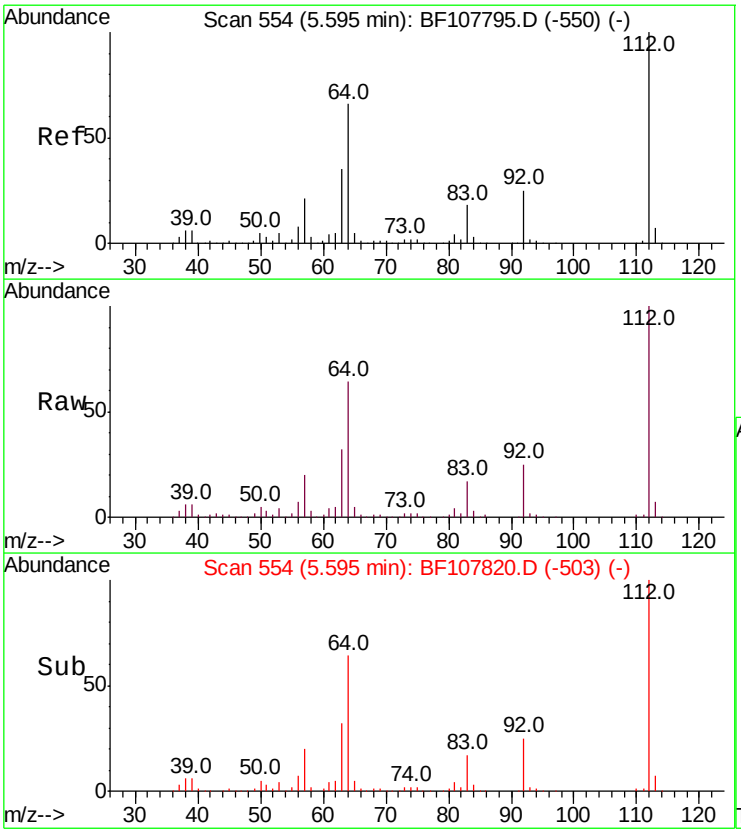
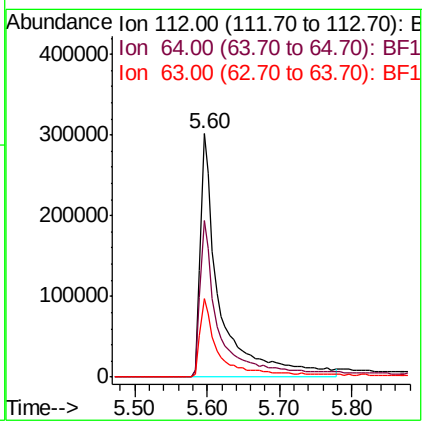
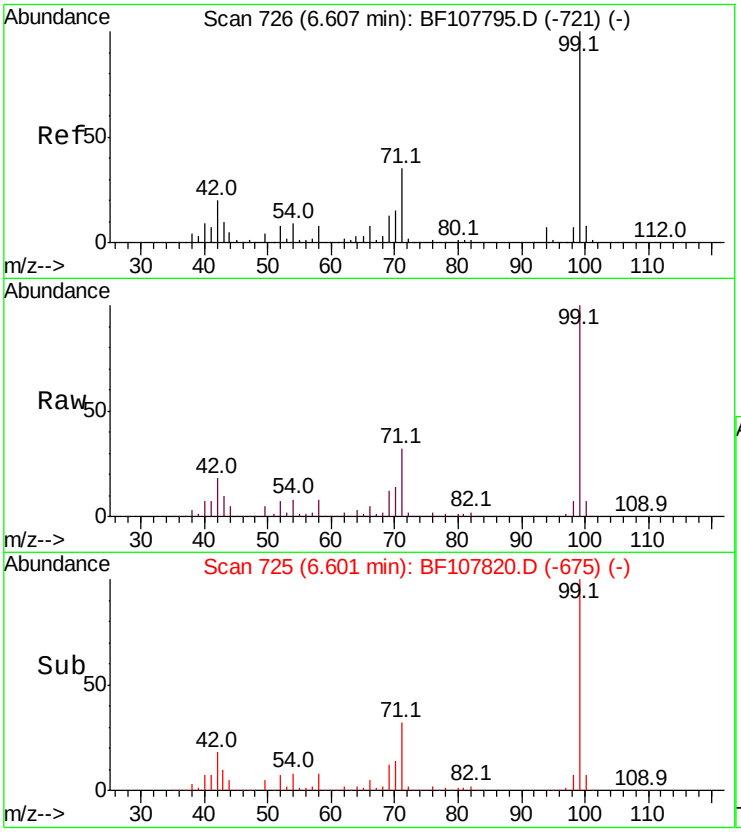


#5
2-Fluorophenol
Concen: 50.974 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:112 Resp: 569766

Ion	Ratio	Lower	Upper
112	100		
64	64.1	47.9	71.9
63	32.1	23.7	35.5

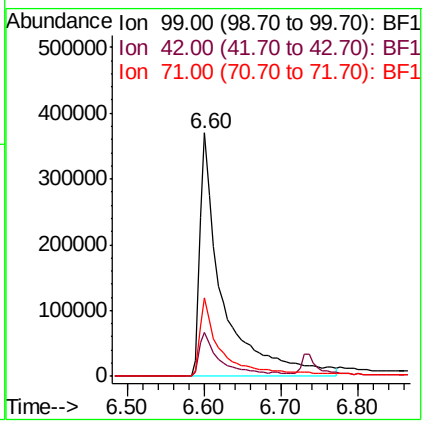




#7
Phenol-d6
Concen: 51.558 ng
RT: 6.60 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion: 99 Resp: 759518

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.5	21.7
71	32.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
SU-03-072718

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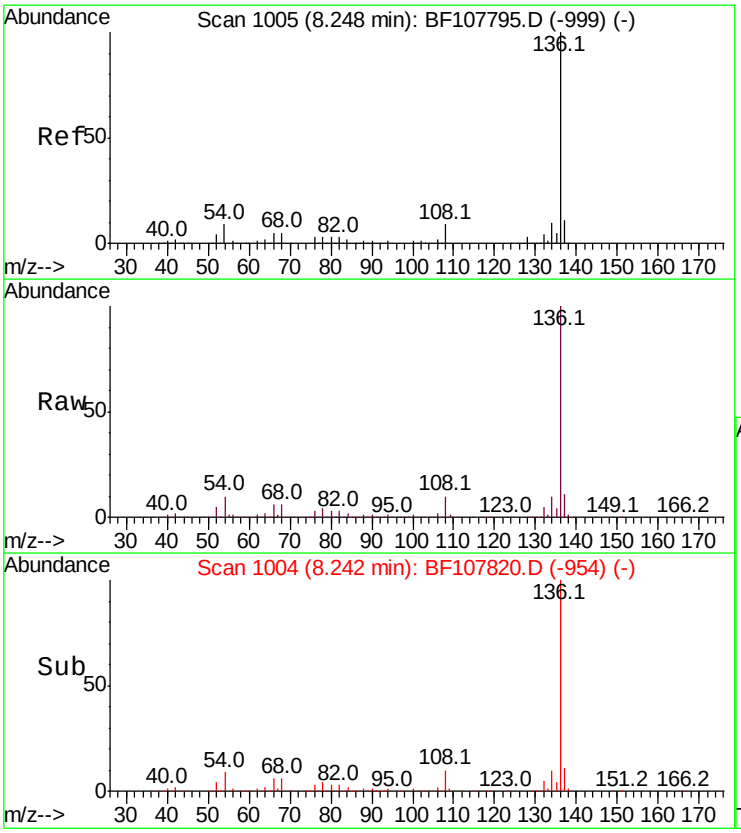
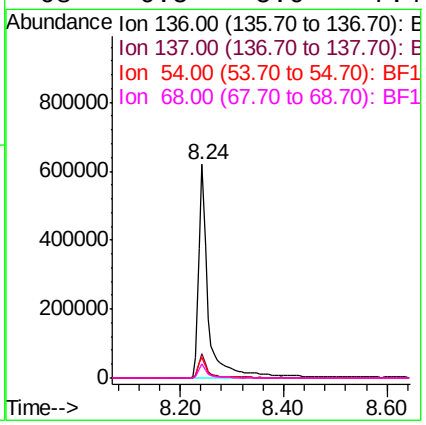
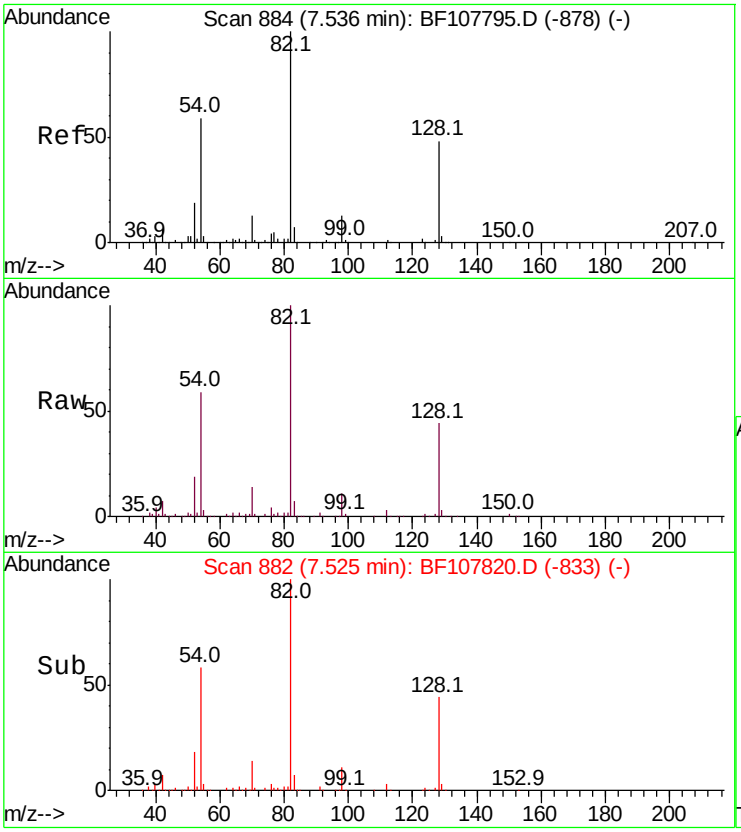


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:136 Resp: 809298

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.7	6.6	9.8
68	6.5	5.0	7.4

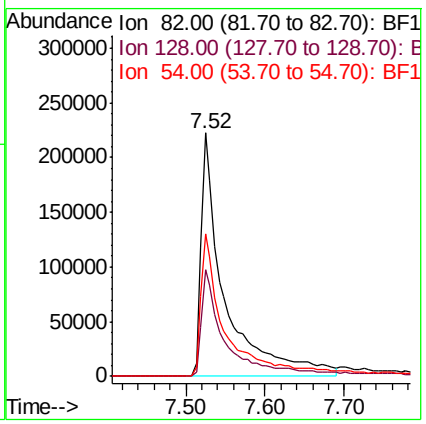




#23
Nitrobenzene-d5
Concen: 32.842 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion: 82 Resp: 461360

Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	58.7	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
SU-03-072718

Manual Integrations APPROVED
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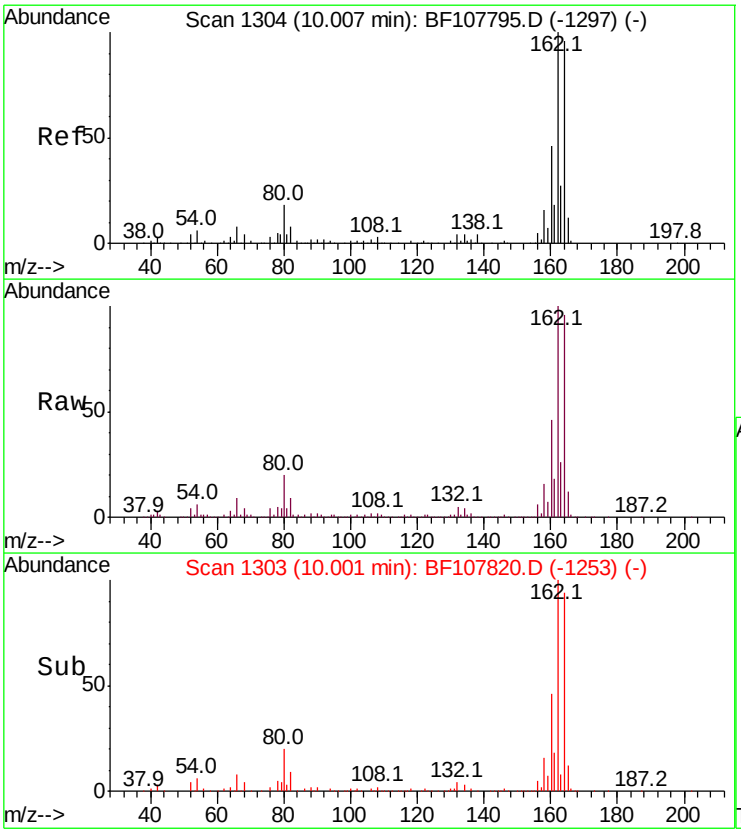
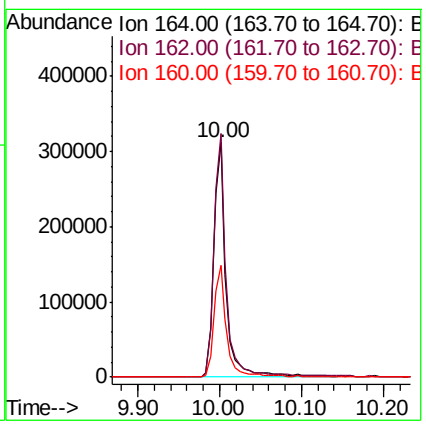
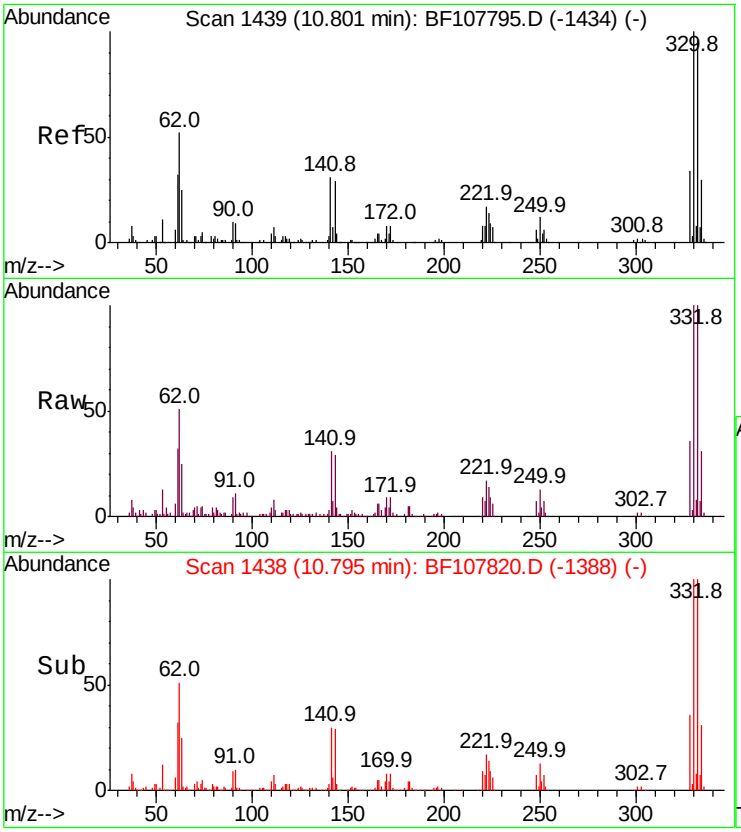


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:164 Resp: 326250

Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	47.4	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 38.572 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:330 Resp: 170992

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	28.6	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
SU-03-072718

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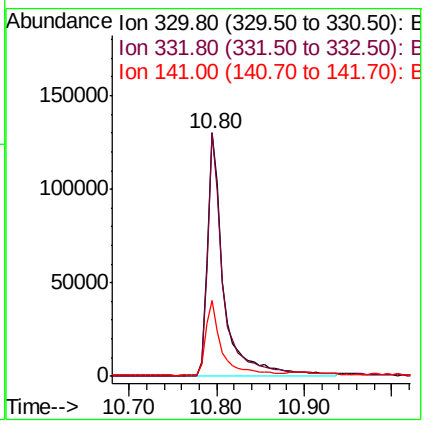
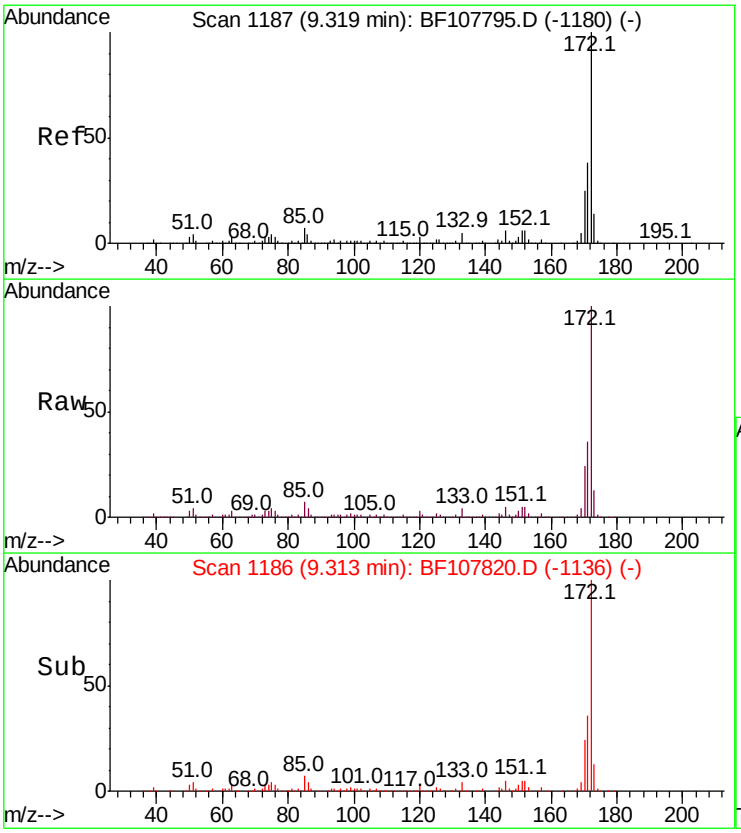
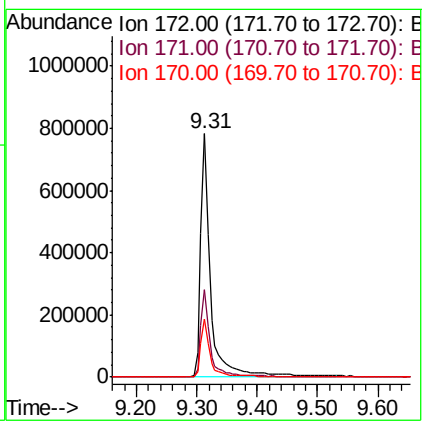


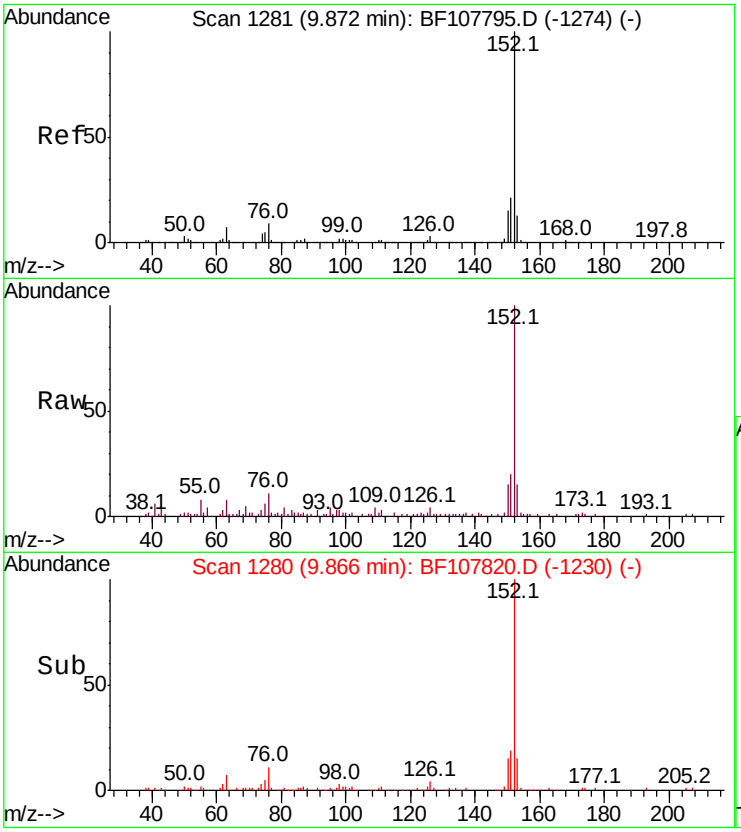


#44
2-Fluorobiphenyl
Concen: 38.986 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:172 Resp: 912752

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.1	19.6	29.4

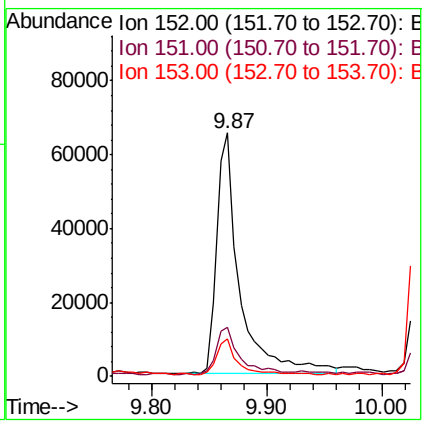




#48
Acenaphthylene
Concen: 2.589 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:152 Resp: 89862

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	15.2	10.7	16.1



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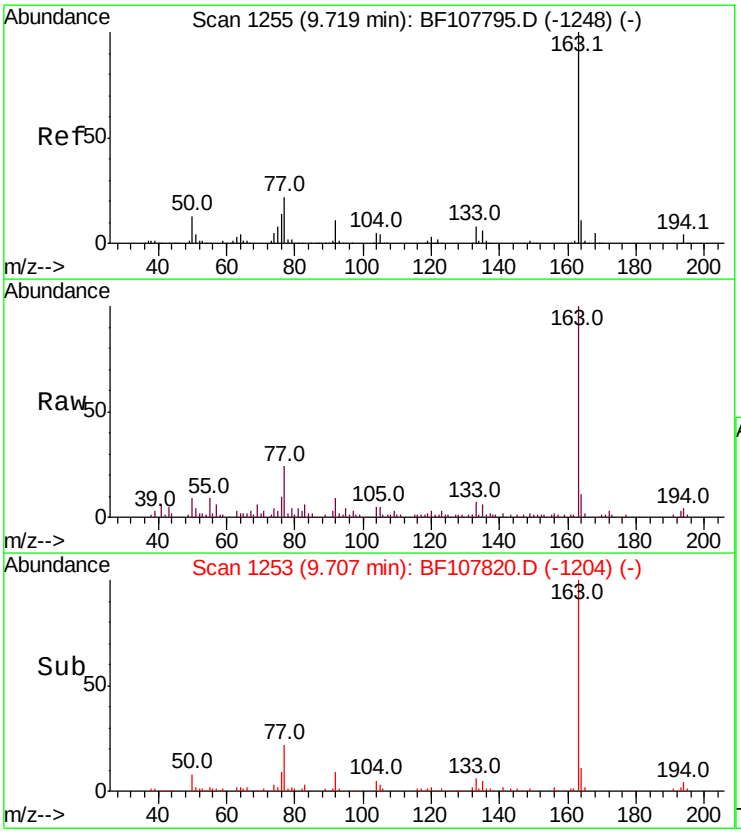
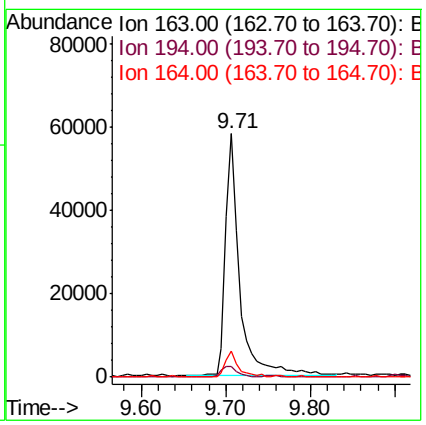
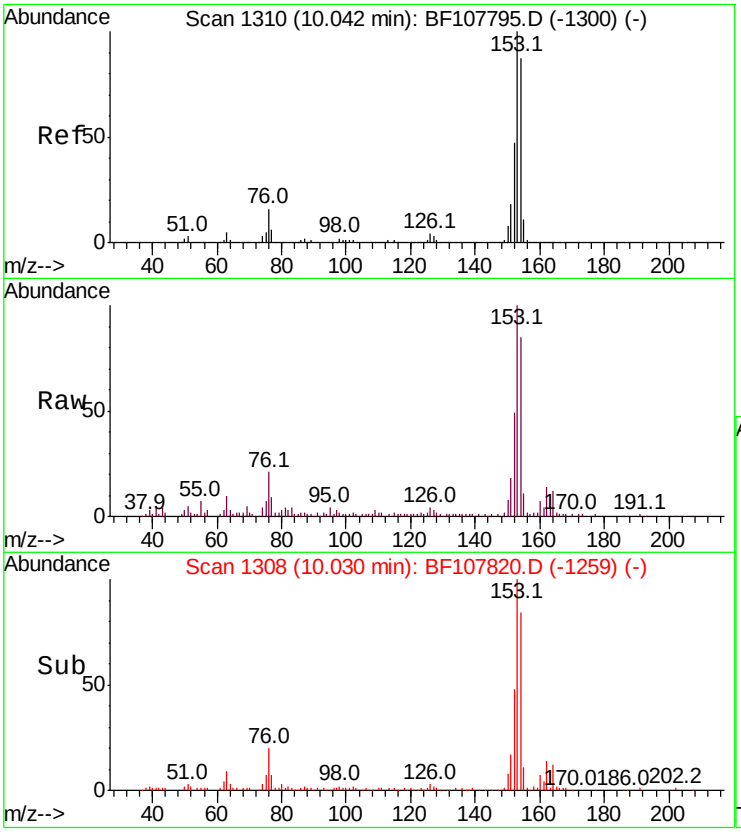


#49
Dimethylphthalate
Concen: 2.753 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:163 Resp: 67463

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	10.5	8.2	12.2

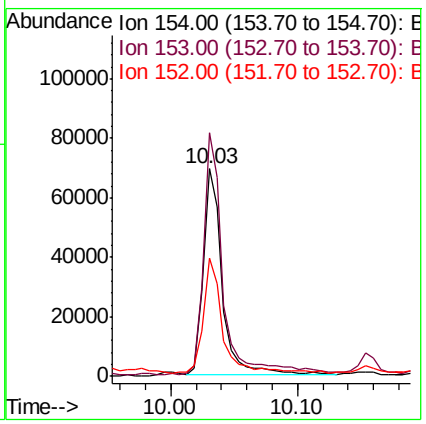




#51
Acenaphthene
Concen: 3.549 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:154 Resp: 71556

Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.2	136.8
152	57.3	43.8	65.8



Instrument :
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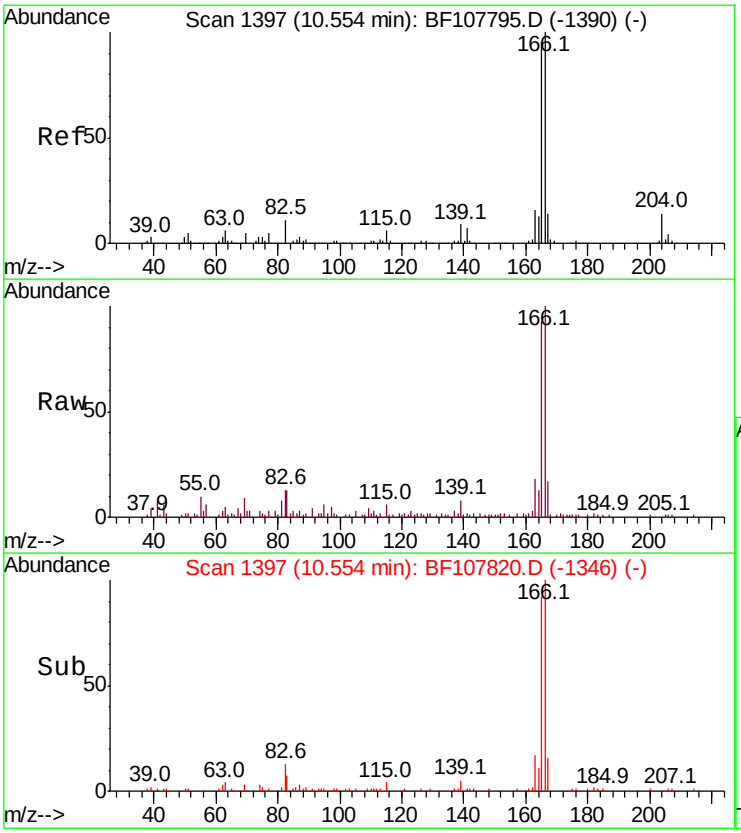
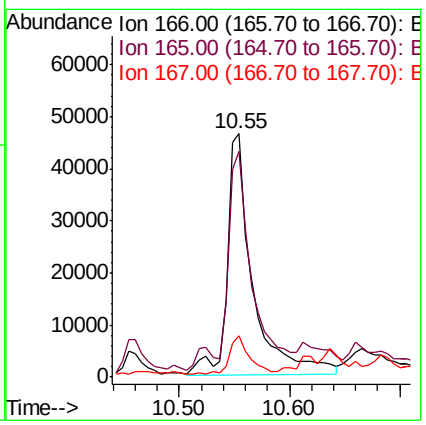
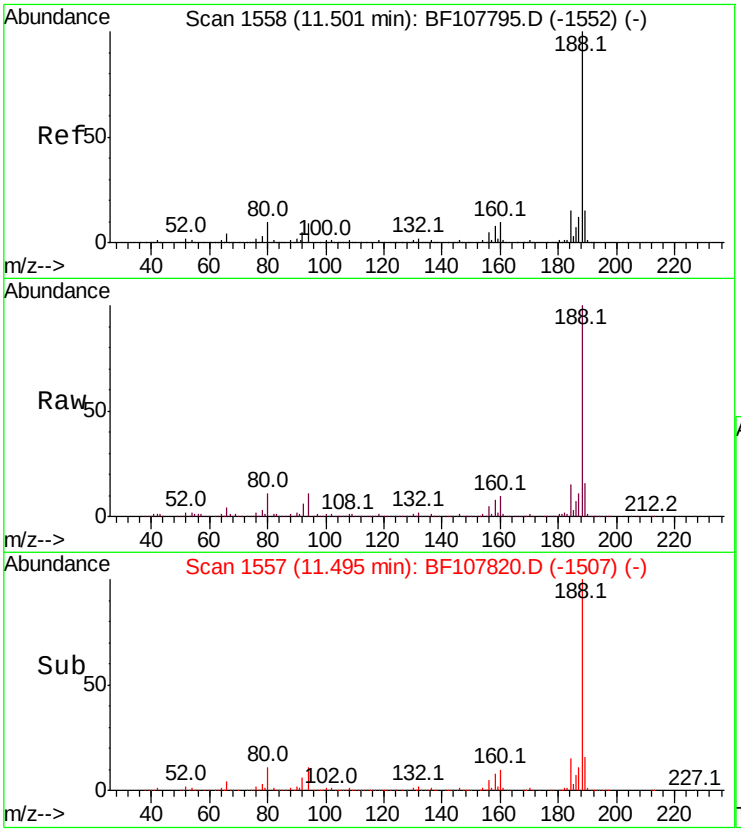


#57
Fluorene
Concen: 3.098 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:166 Resp: 75040

Ion	Ratio	Lower	Upper
166	100		
165	92.8	79.8	119.8
167	16.8	10.6	16.0#

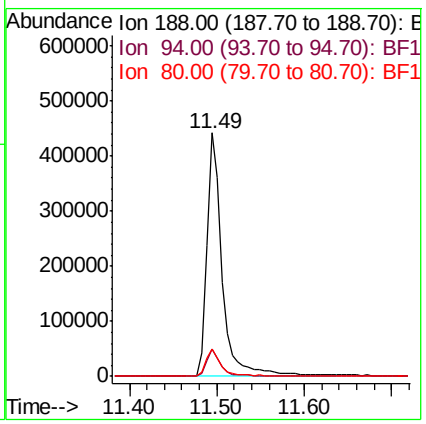




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:188 Resp: 542532

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	11.3	9.2	13.8



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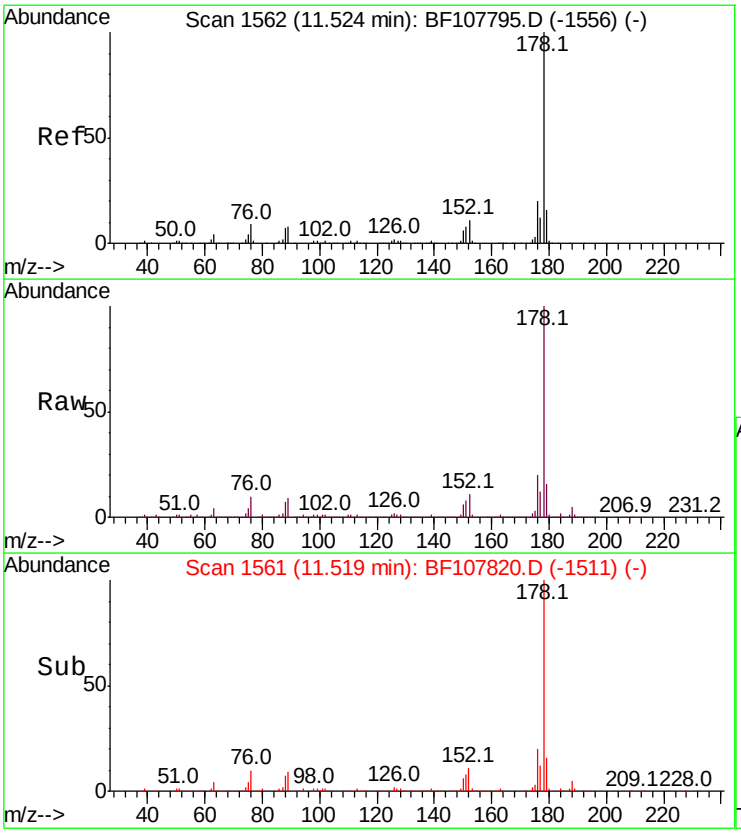
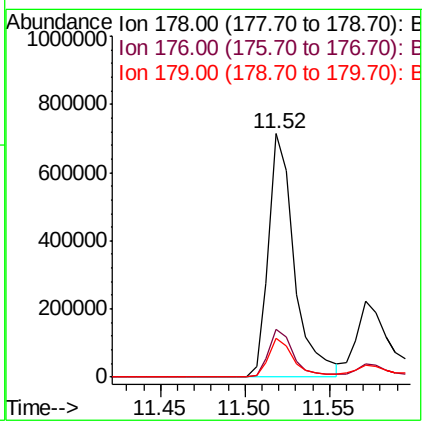
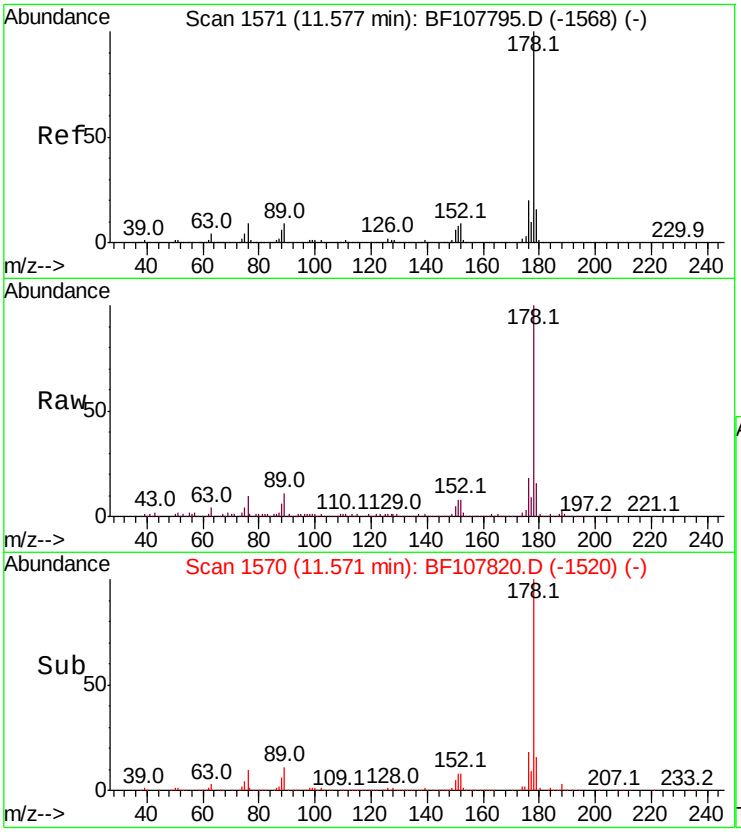


#70
Phenanthrene
Concen: 29.475 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:178 Resp: 759314

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.0	13.0	19.6

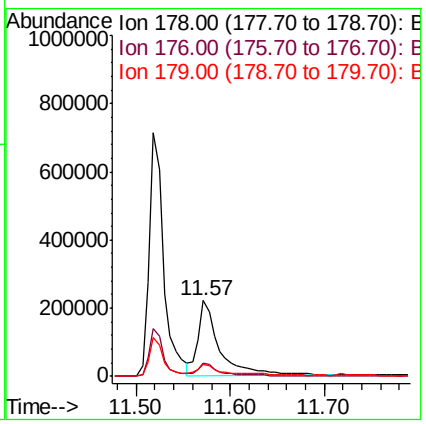




#71
Anthracene
Concen: 11.542 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:178 Resp: 342962

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.4	12.6	19.0



Instrument :
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ClientSampleId :
SU-03-072718

Manual Integrations APPROVED
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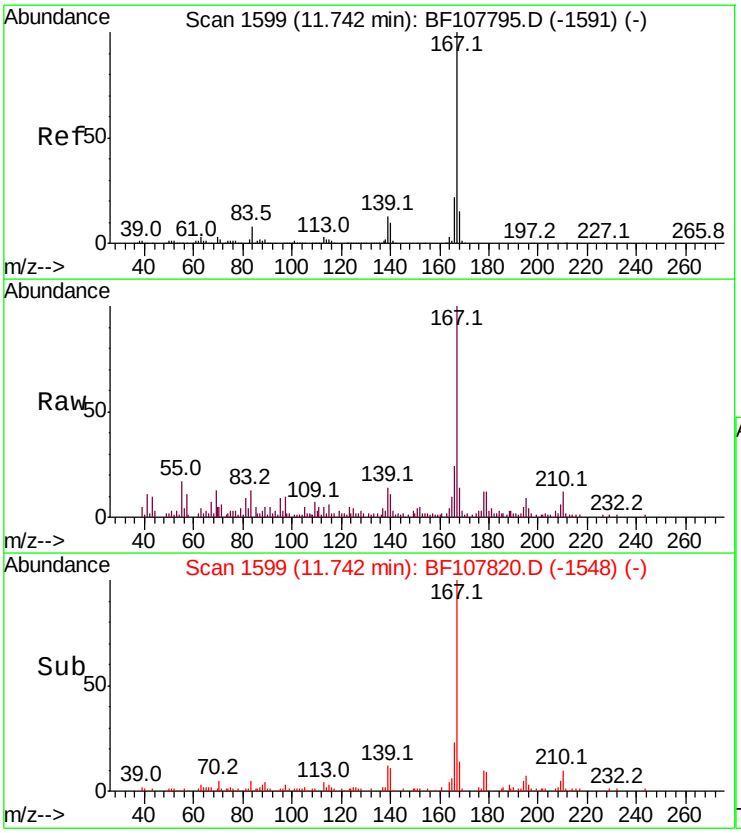
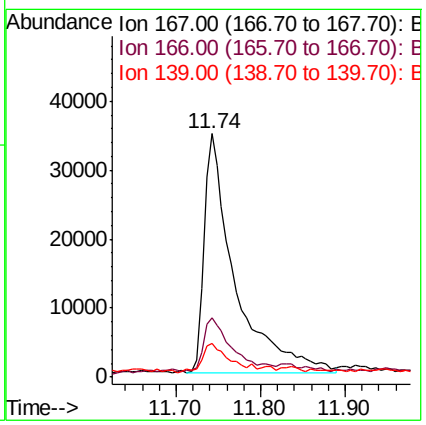
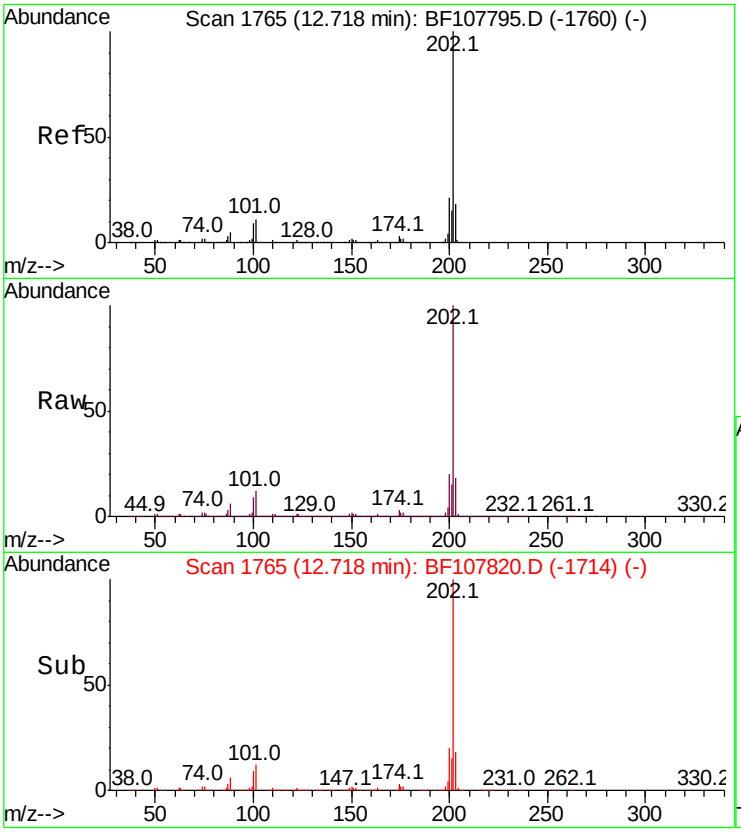


#72
Carbazole
Concen: 3.019 ng
RT: 11.74 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:167 Resp: 88639

Ion	Ratio	Lower	Upper
167	100		
166	24.4	17.6	26.4
139	14.1	10.9	16.3

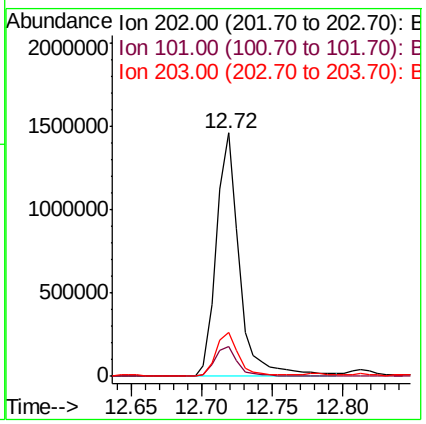




#74
Fluoranthene
Concen: 54.850 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:202 Resp: 1660000

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.0	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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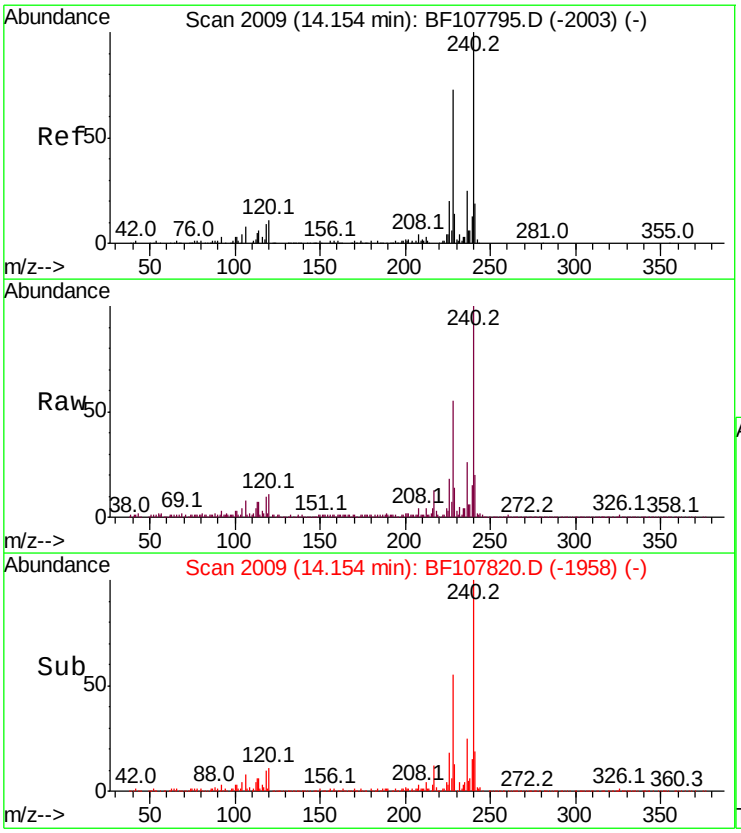
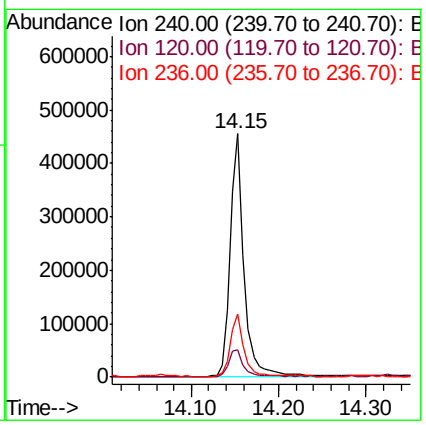
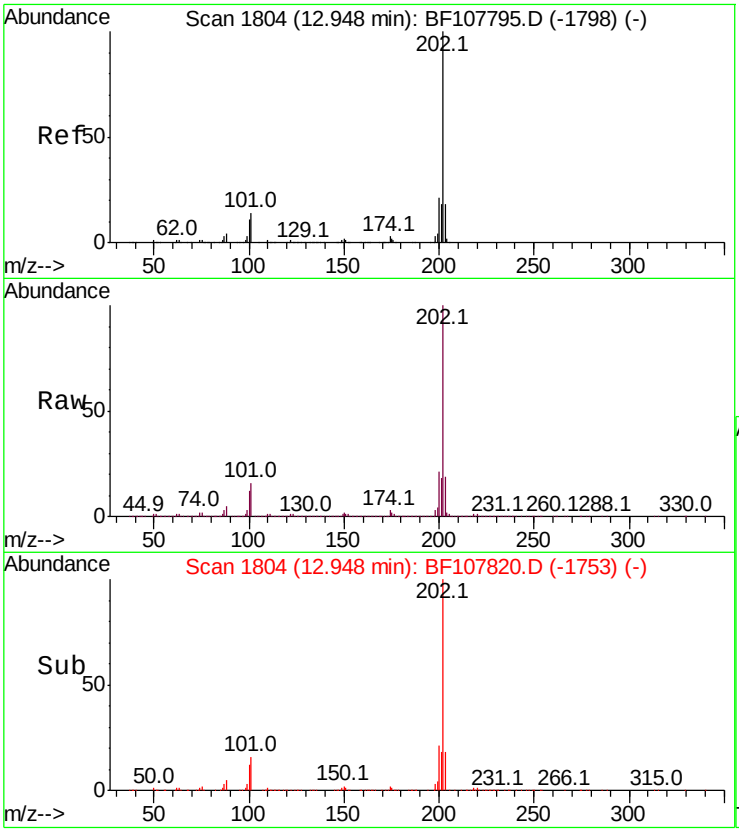


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:240 Resp: 491748

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	25.7	20.7	31.1

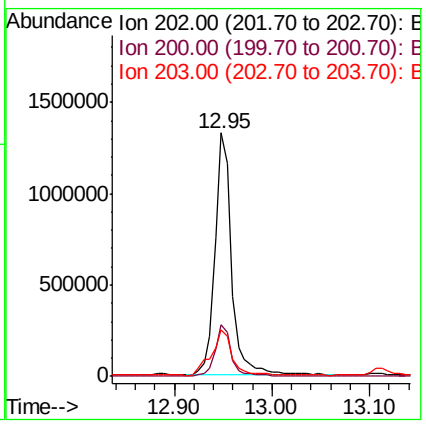




#77
Pyrene
Concen: 44.776 ng
RT: 12.95 min Scan# 1804
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:202 Resp: 1585521

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	19.0	14.3	21.5



Instrument :
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ClientSampleId :
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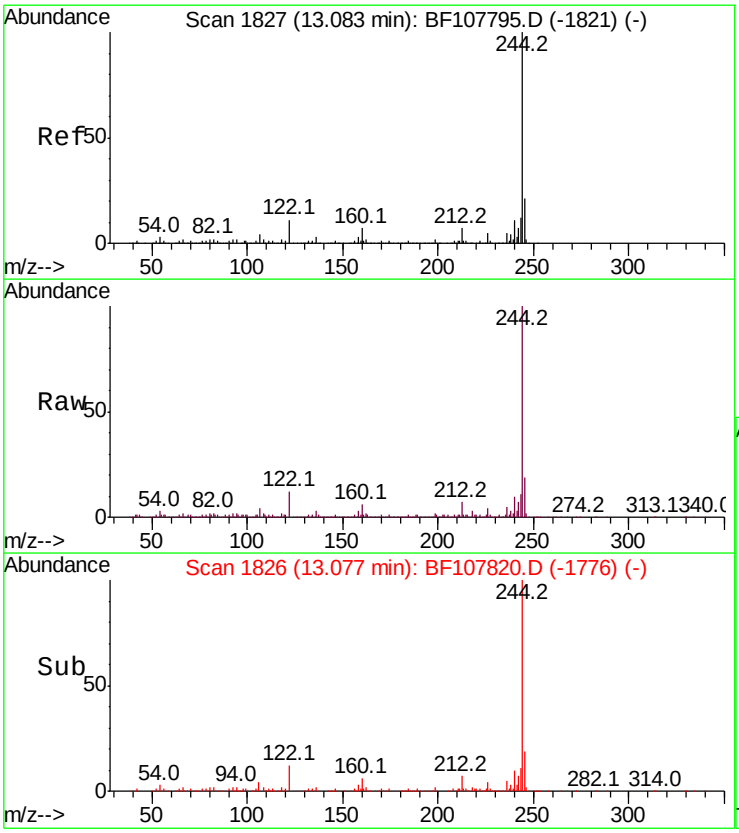
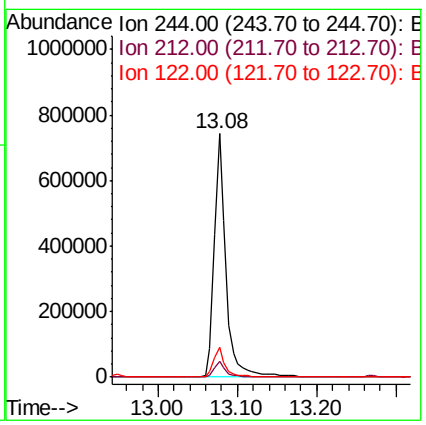
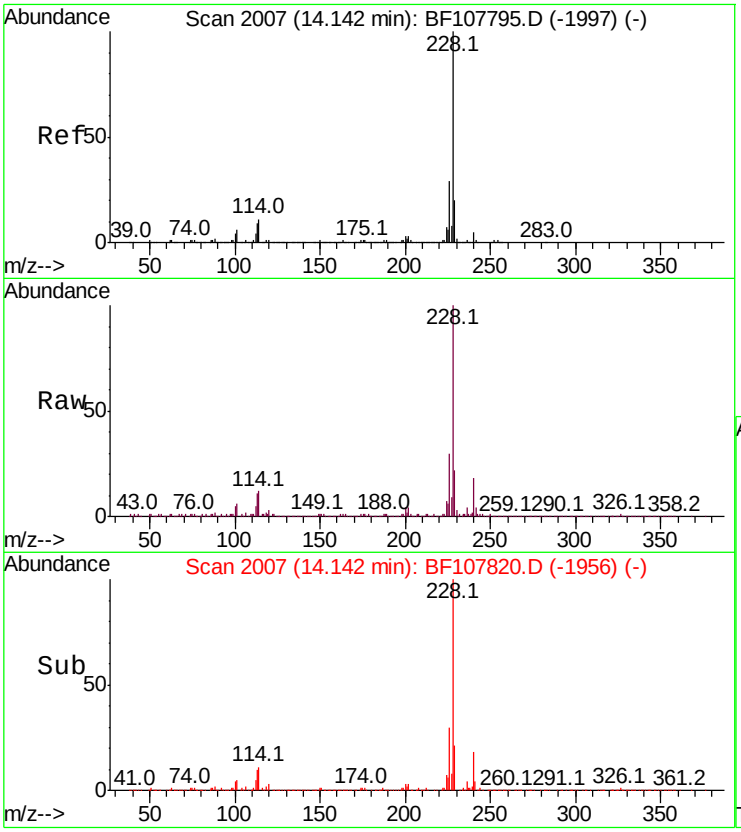


#78
Terphenyl-d14
Concen: 33.810 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:244 Resp: 766721

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.2	11.0	16.4

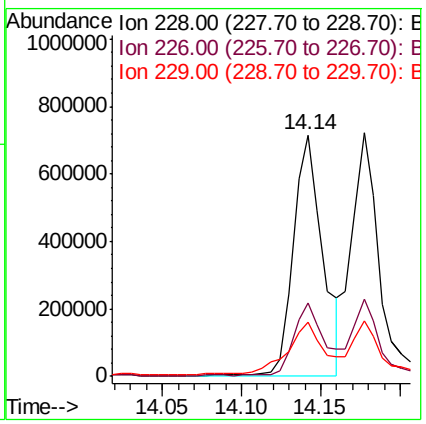




#80
Benzo(a)anthracene
Concen: 32.688 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:228 Resp: 910538

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	22.3	15.8	23.6



Instrument :
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ClientSampleId :
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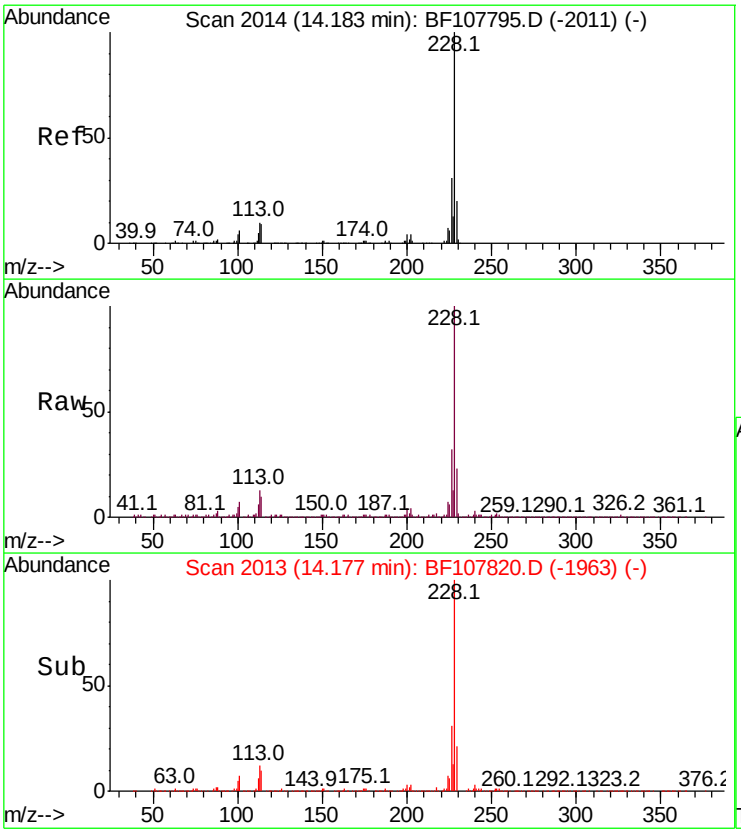
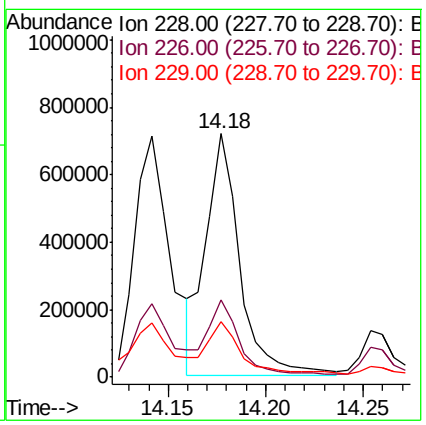
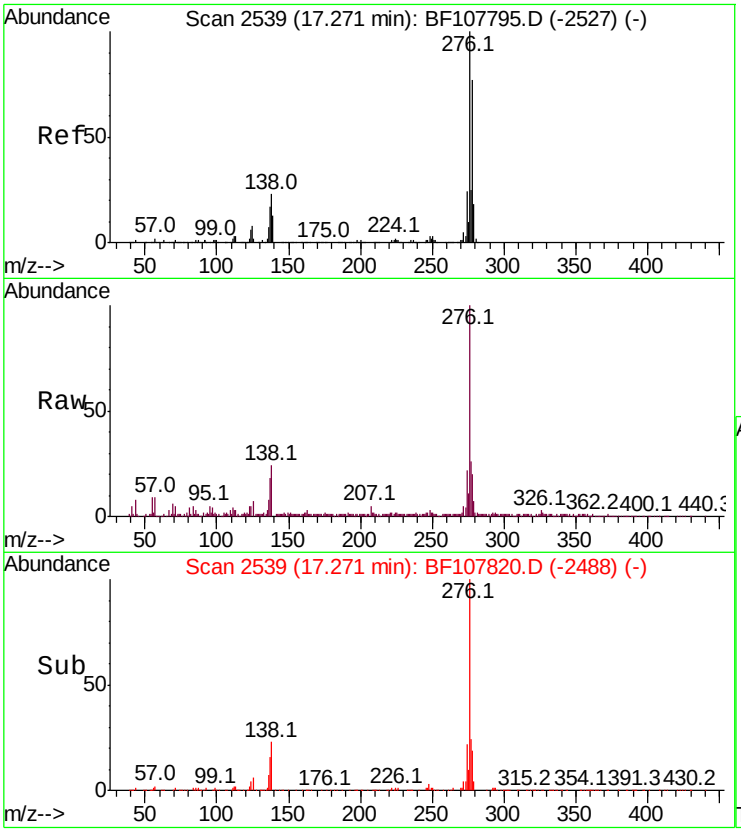


#82
Chrysene
Concen: 28.946 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:228 Resp: 869694

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.5	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 19.730 ng m
RT: 17.27 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:276 Resp: 450888

Ion	Ratio	Lower	Upper
276	100		
138	4.3	25.0	37.6#
277	4.2	20.1	30.1#

Instrument :
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ClientSampleId :
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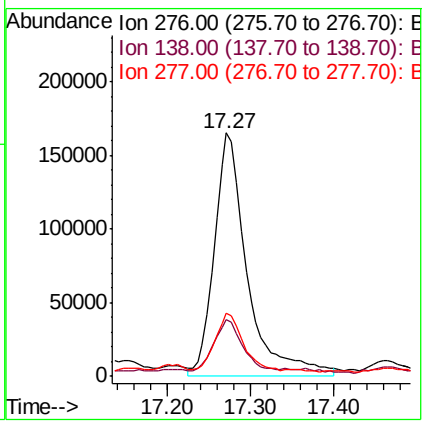
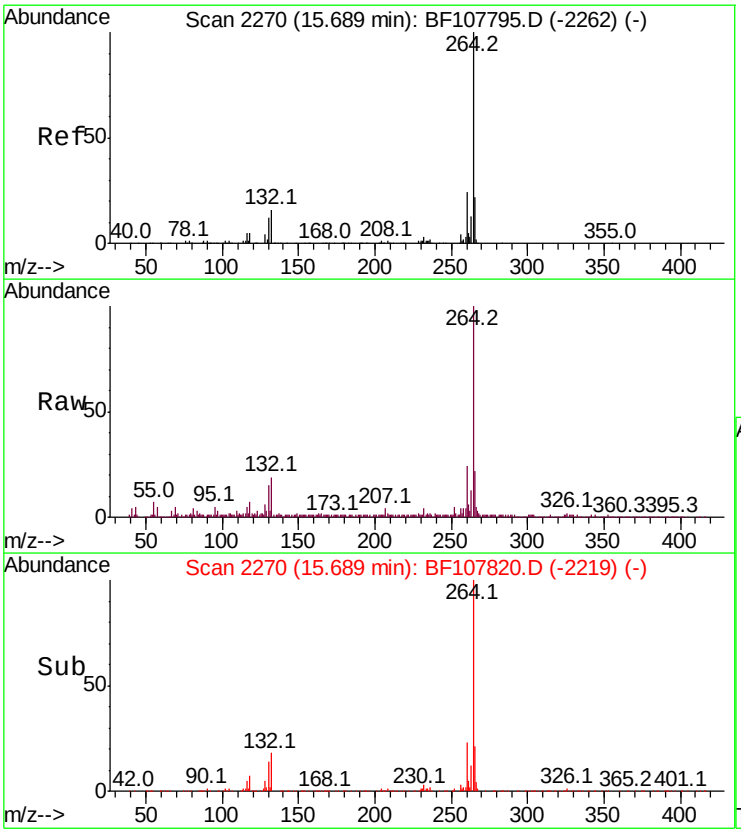
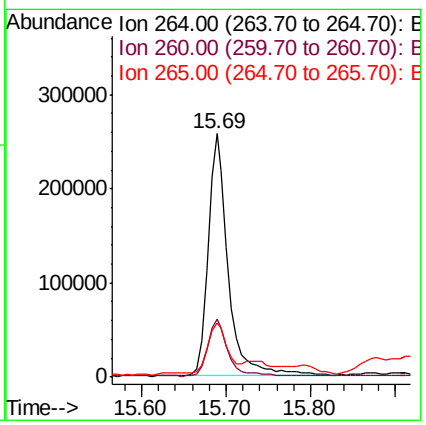


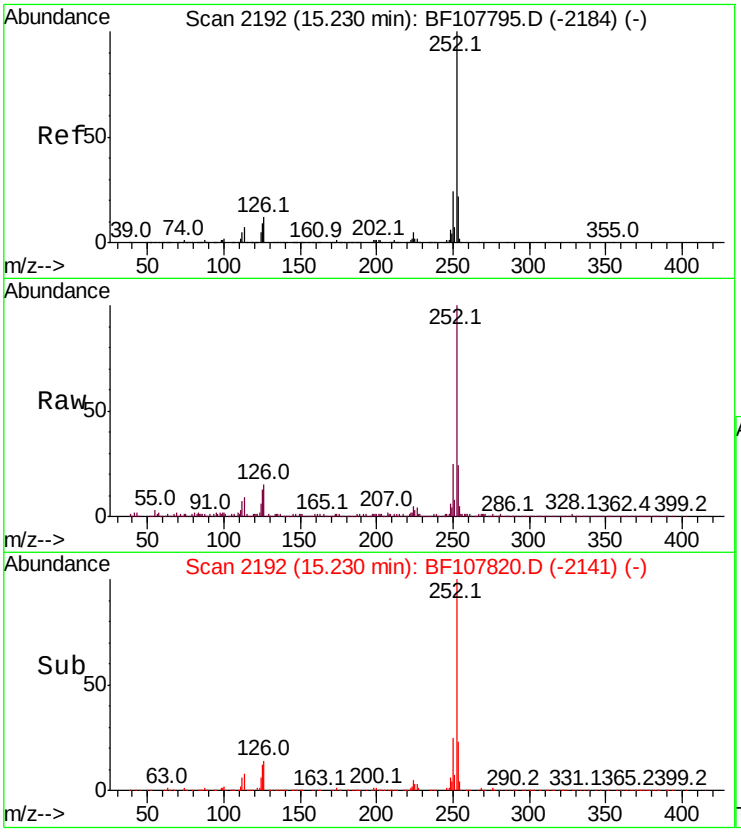


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:264 Resp: 428550

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.5	26.3

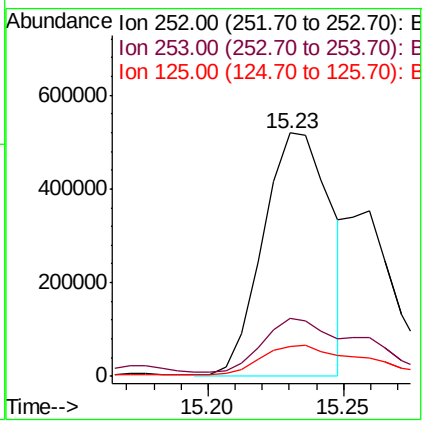




#87
Benzo(b)fluoranthene
Concen: 42.834 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:252 Resp: 905350

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	12.5	9.0	13.6



Instrument :
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ClientSampleId :
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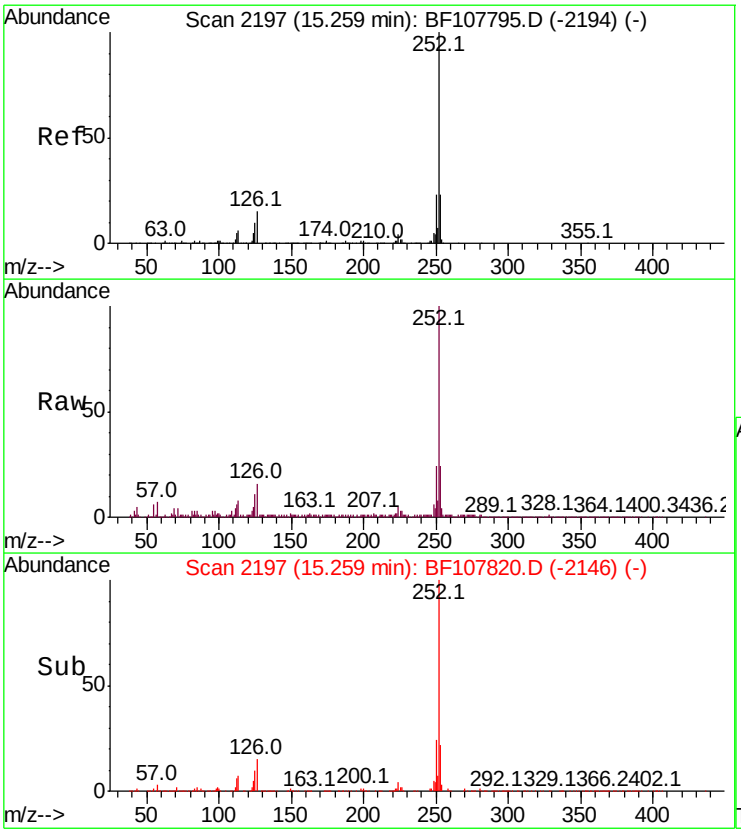
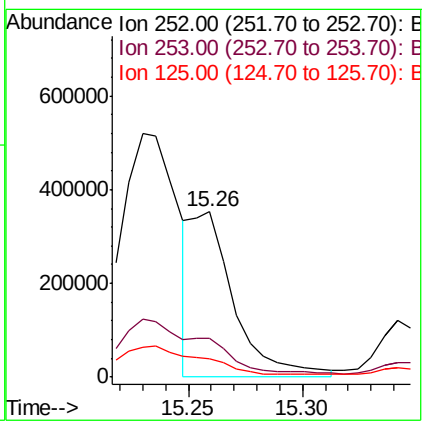
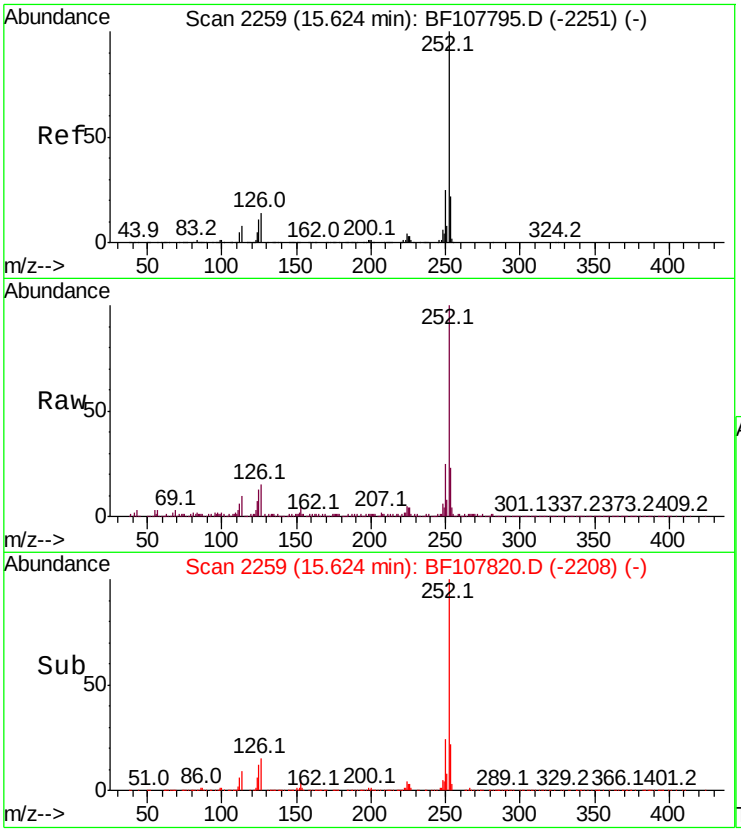


#88
Benzo(k)fluoranthene
Concen: 17.662 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:252 Resp: 458323

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.4	10.2	15.2

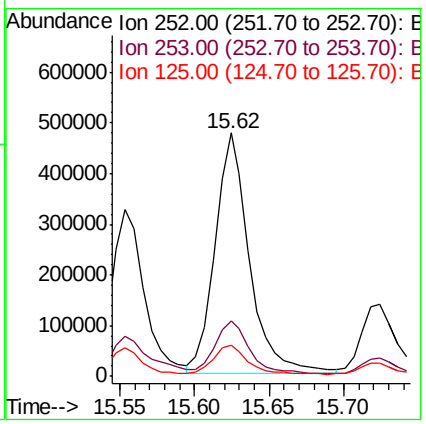




#89
Benzo(a)pyrene
Concen: 35.203 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:252 Resp: 768114

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.9	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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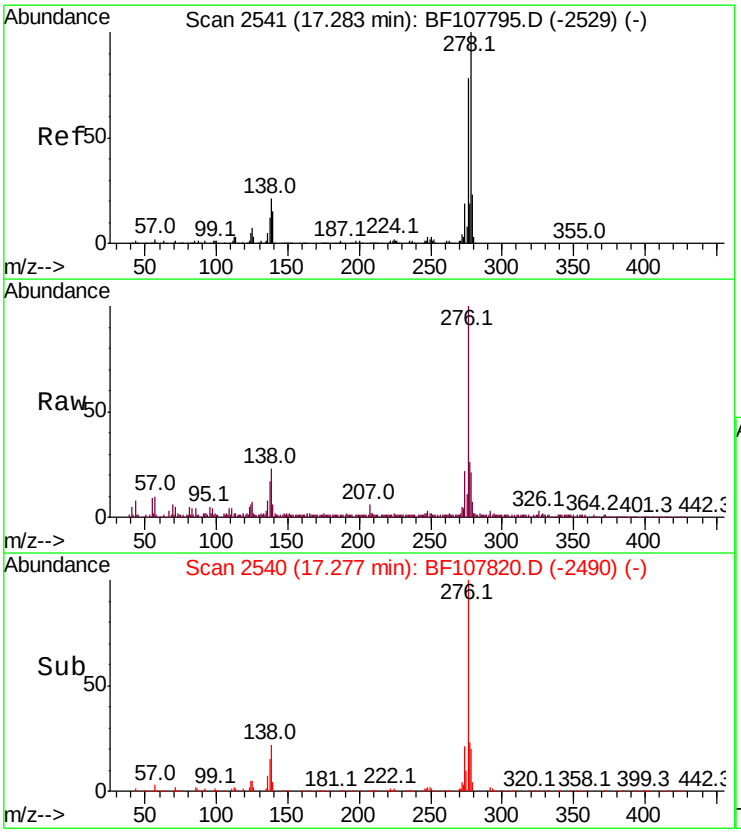
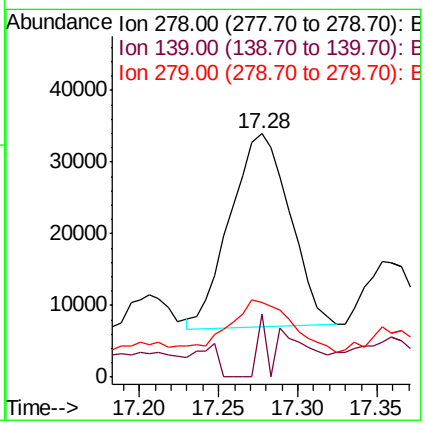
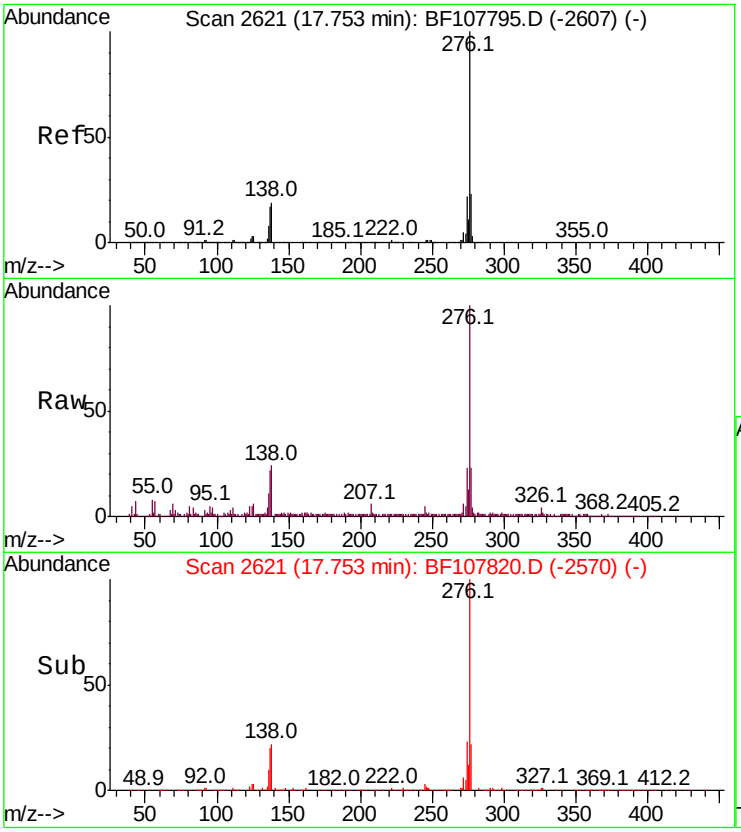


#90
Dibenzo(a,h)anthracene
Concen: 3.710 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:278 Resp: 70605

Ion	Ratio	Lower	Upper
278	100		
139	25.8	15.9	23.9#
279	30.9	19.0	28.4#

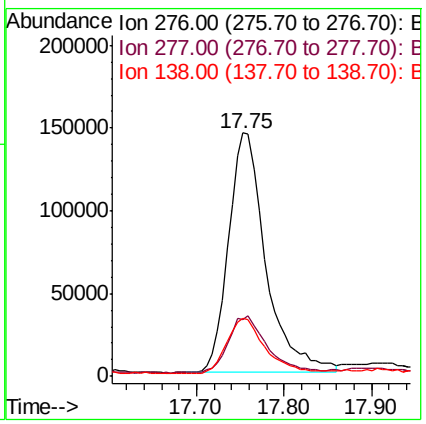




#91
Benzo(g,h,i)perylene
Concen: 22.837 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.00 min
Lab File: BF107820.D
Acq: 31 Jul 2018 00:20

Tgt Ion:276 Resp: 420569

Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	23.7	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
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