Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116866.D
Acq On : 6 Sep 2019 18:16
Operator : HP/JU
Sample : K4164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200030

Manual Integrations APPROVED
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9/12/2019 9:23:34 AM

Quant Time: Sep 07 04:58:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	88009	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	344355	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	173621	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	251258	20.00	ng		0.00
76) Chrysene-d12	14.00	240	163788	20.00	ng		0.00
87) Perylene-d12	15.47	264	187240	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	658305	121.18	ng		0.00
7) Phenol-d6	6.49	99	883189	123.81	ng		0.00
23) Nitrobenzene-d5	7.40	82	551944	91.50	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	161530	139.17	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	873130	84.83	ng		0.00
79) Terphenyl-d14	12.94	244	652082	73.65	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.49	94	21459	2.717	ng		89
50) Dimethylphthalate	9.59	163	124180	10.360	ng		98
52) Acenaphthene	9.91	154	23929	2.469	ng		99
58) Fluorene	10.43	166	43231	4.153	ng		100
71) Phenanthrene	11.39	178	394728	28.222	ng		100
72) Anthracene	11.44	178	106854	7.589	ng		98
73) Carbazole	11.59	167	27080	2.019	ng		96
75) Fluoranthene	12.58	202	445678	32.424	ng		99
78) Pyrene	12.81	202	420328	28.869	ng		98
81) Benzo(a)anthracene	13.99	228	198669	19.165	ng		98
83) Chrysene	14.03	228	168247	15.754	ng		96
86) Indeno(1,2,3-cd)pyrene	16.93	276	76131	8.875	ng		99
88) Benzo(b)fluoranthene	15.05	252	220936m	19.517	ng		
89) Benzo(k)fluoranthene	15.07	252	56642m	5.488	ng		
90) Benzo(a)pyrene	15.41	252	154980	15.736	ng		99
91) Dibenzo(a,h)anthracene	16.94	278	20858	2.420	ng	#	88
92) Benzo(g,h,i)perylene	17.38	276	68761	7.821	ng		95

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

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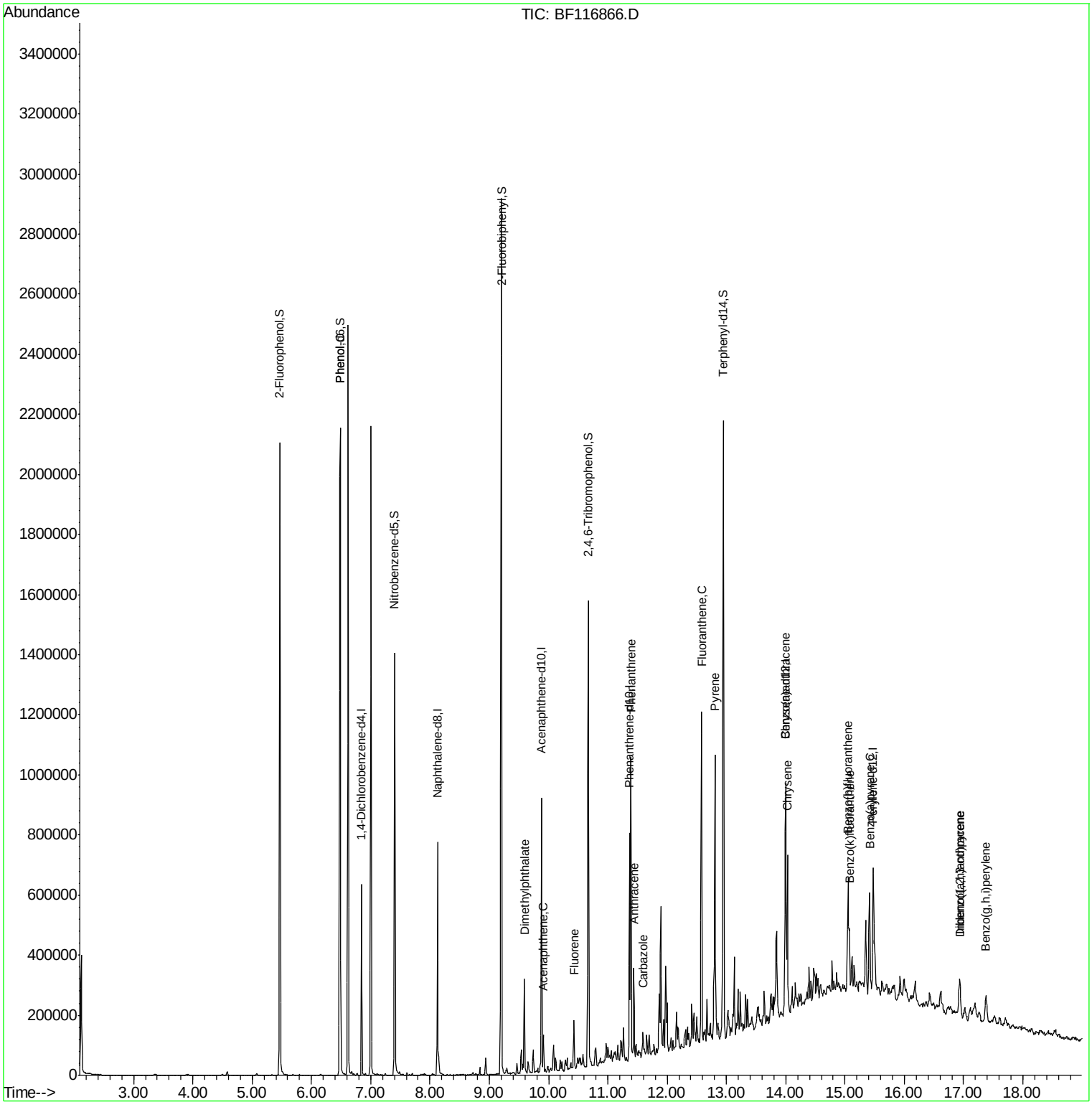
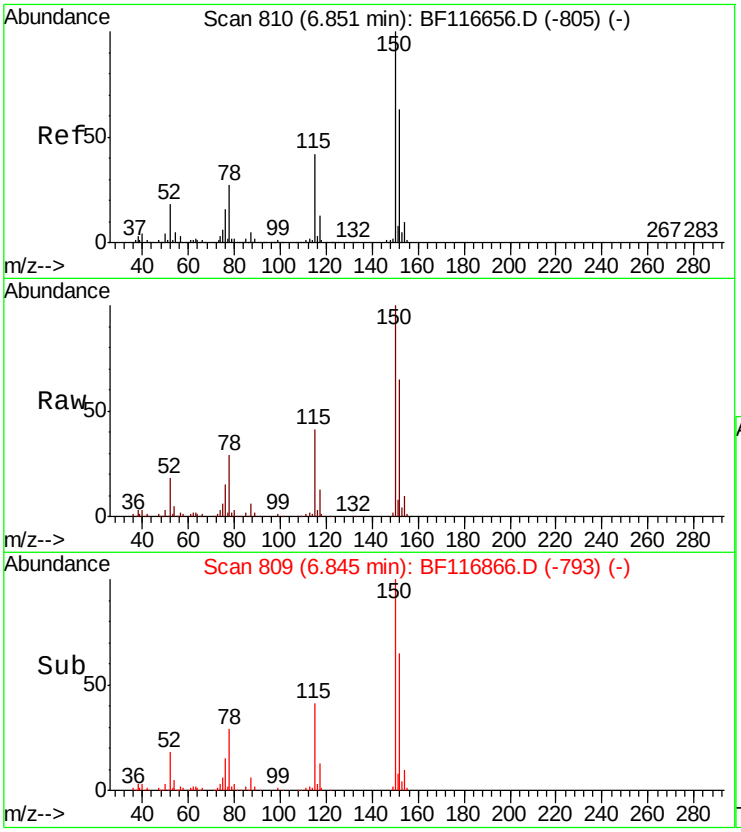
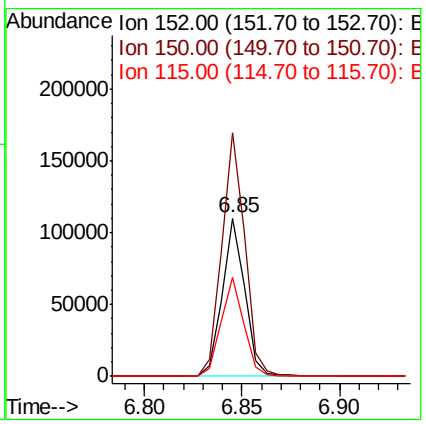




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:152 Resp: 88009

Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.4	186.6
115	62.6	49.9	74.9



Instrument :
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ClientSampleId :
RBR-200030

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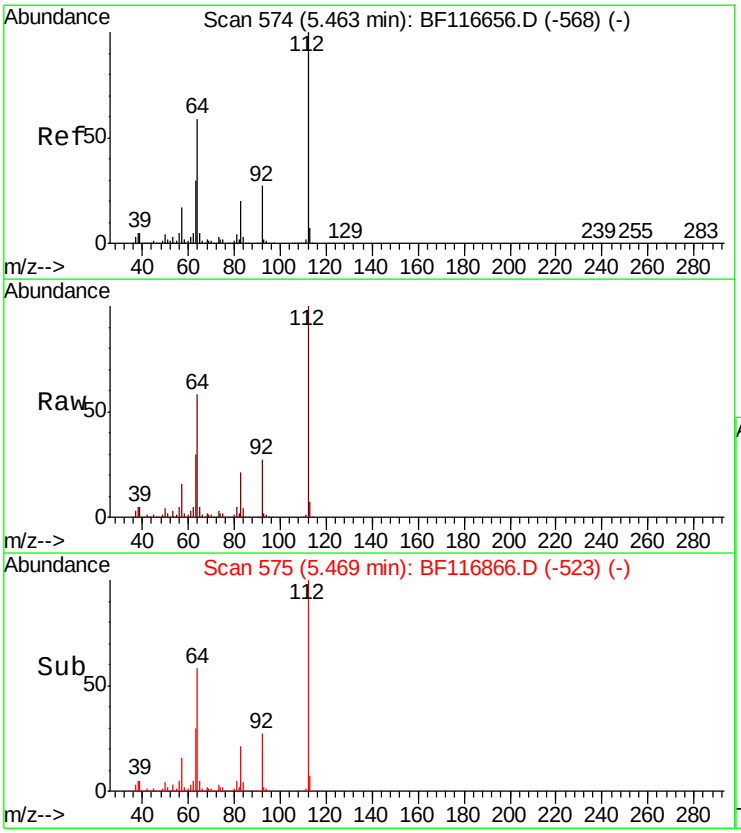
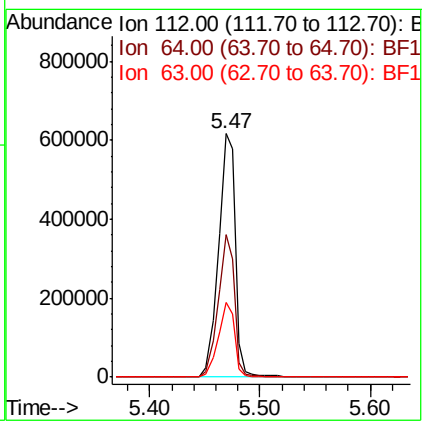
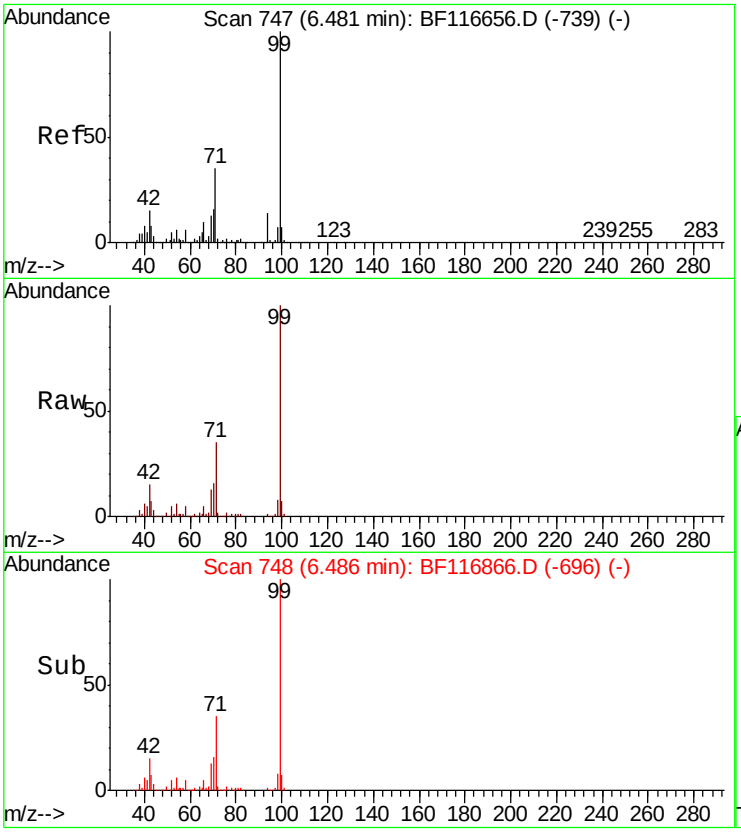


#5
2-Fluorophenol
Concen: 121.180 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:112 Resp: 658305

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.1	70.7
63	30.4	24.9	37.3

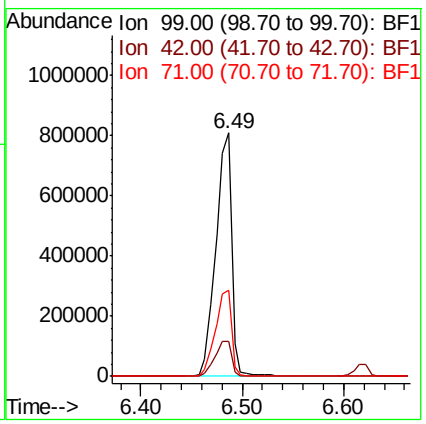




#7
Phenol-d6
Concen: 123.810 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion: 99 Resp: 883189

Ion	Ratio	Lower	Upper
99	100		
42	14.5	13.7	20.5
71	35.4	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
RBR-200030

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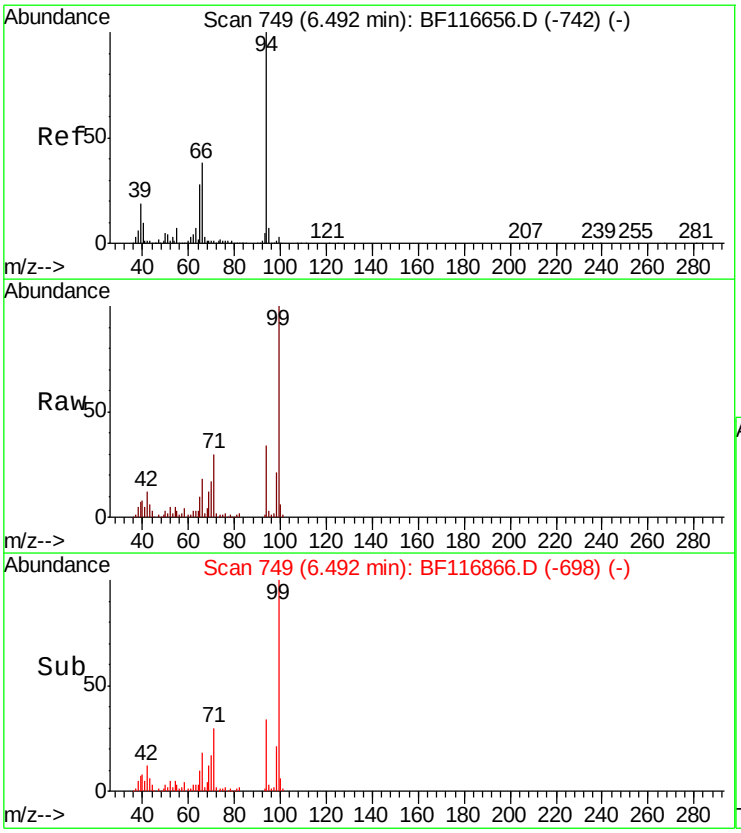
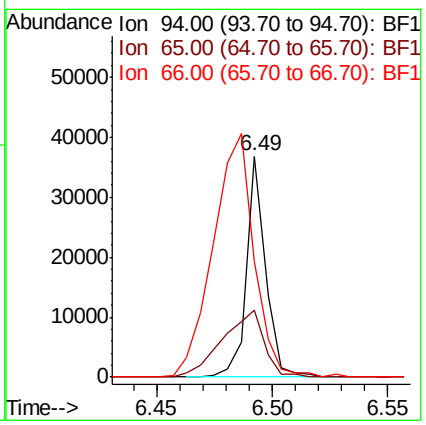
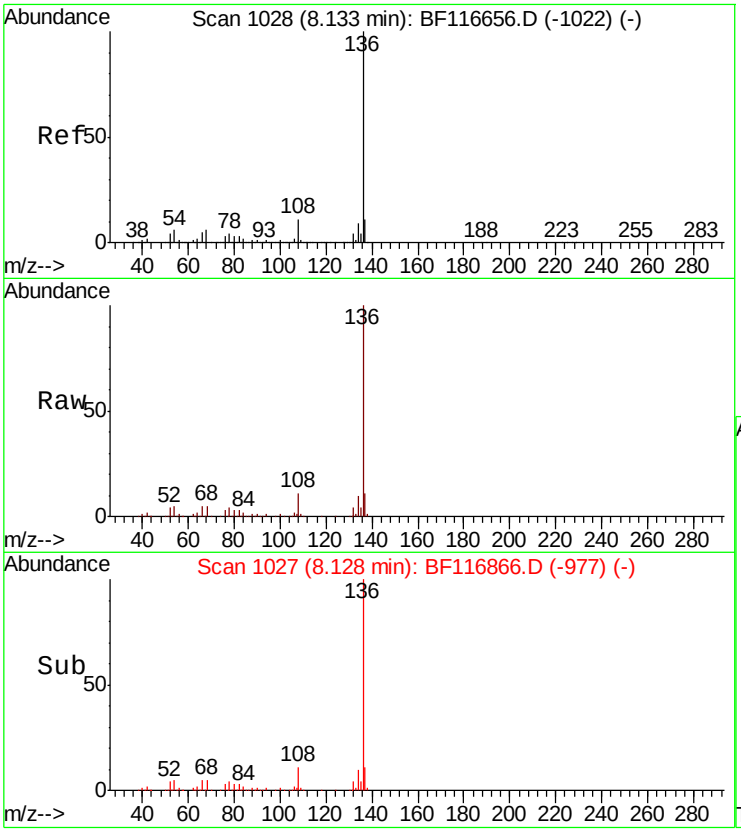


#10
Phenol
Concen: 2.717 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion: 94 Resp: 21459

Ion	Ratio	Lower	Upper
94	100		
65	30.3	10.8	50.8
66	52.5	21.1	61.1

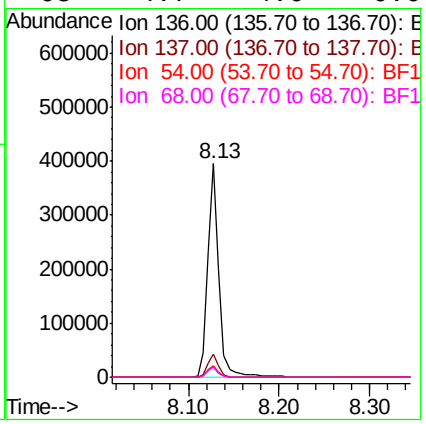




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:136 Resp: 344355

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.4	4.8	7.2
68	4.7	4.0	6.0



Instrument :
BNA_F
ClientSampleId :
RBR-200030

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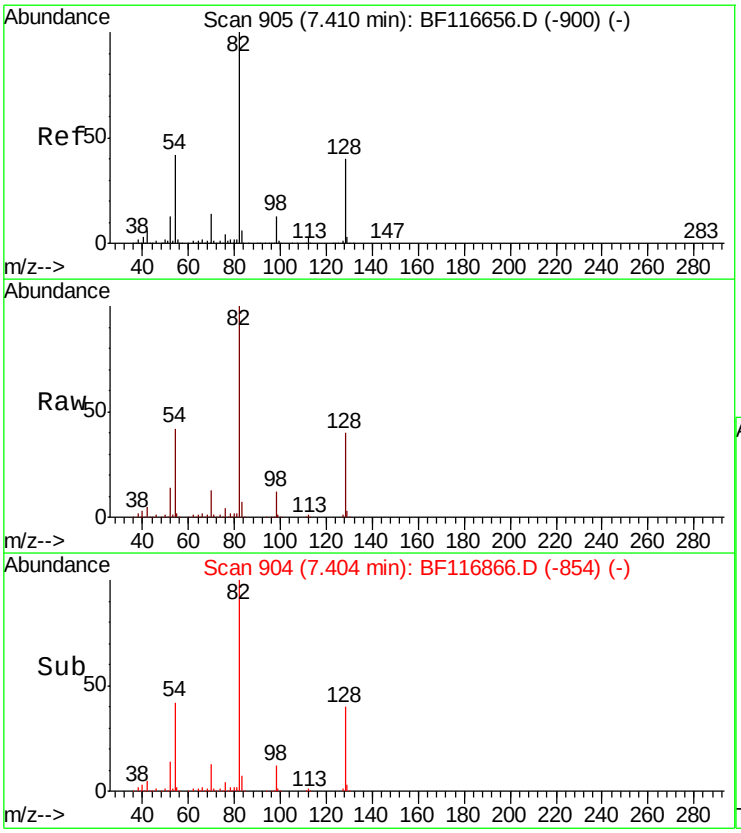
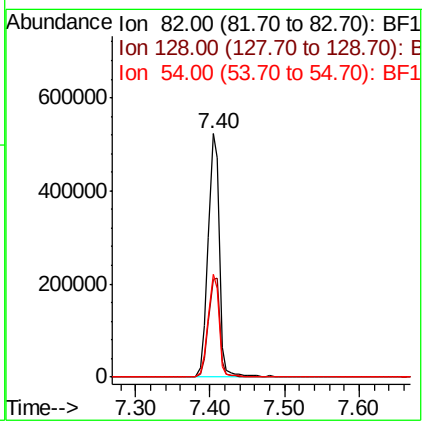
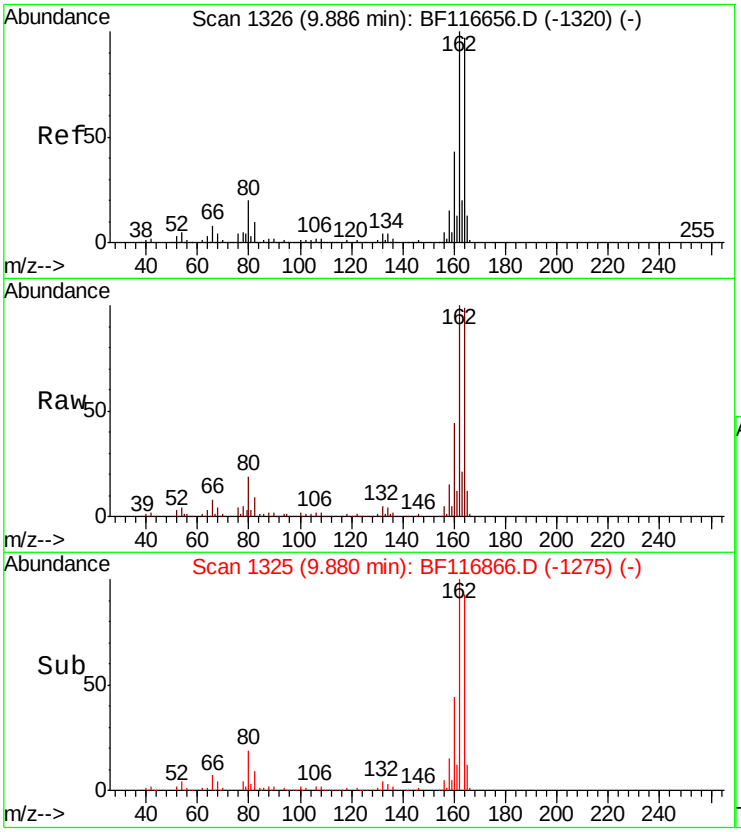


#23
Nitrobenzene-d5
Concen: 91.502 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion: 82 Resp: 551944

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.8	49.2
54	42.0	36.9	55.3

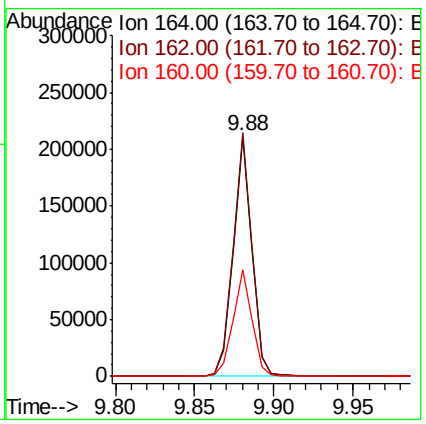




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:164 Resp: 173621

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.0
160	44.5	35.4	53.2



Instrument :
BNA_F
ClientSampleId :
RBR-200030

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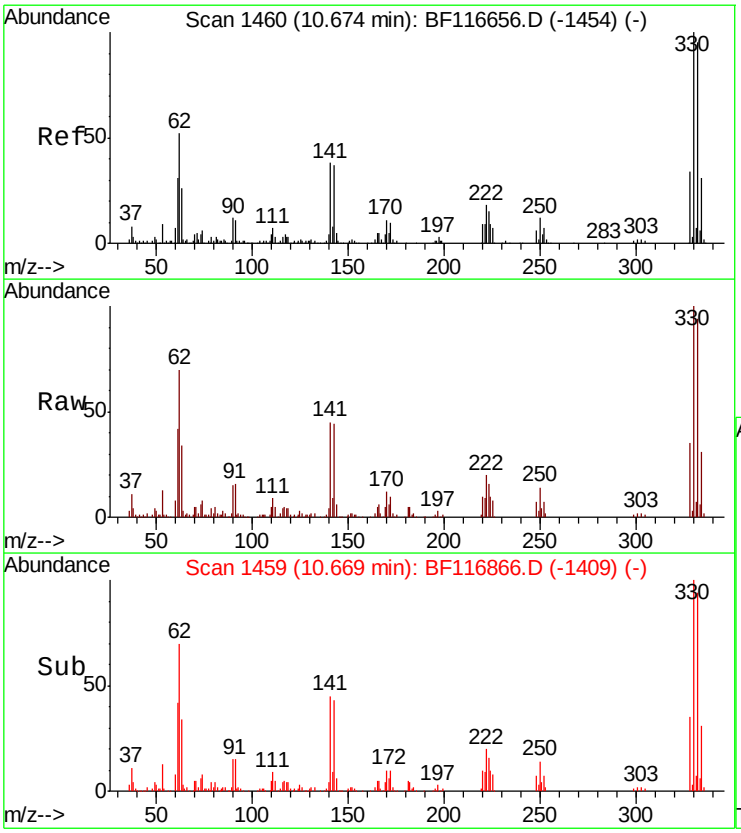
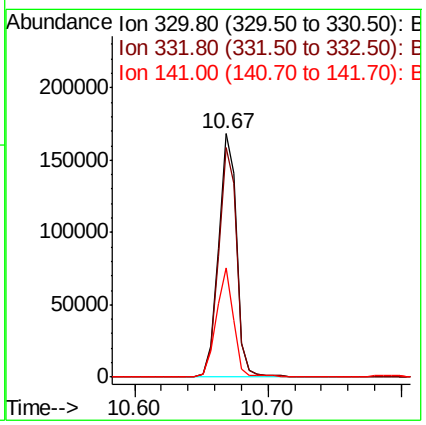
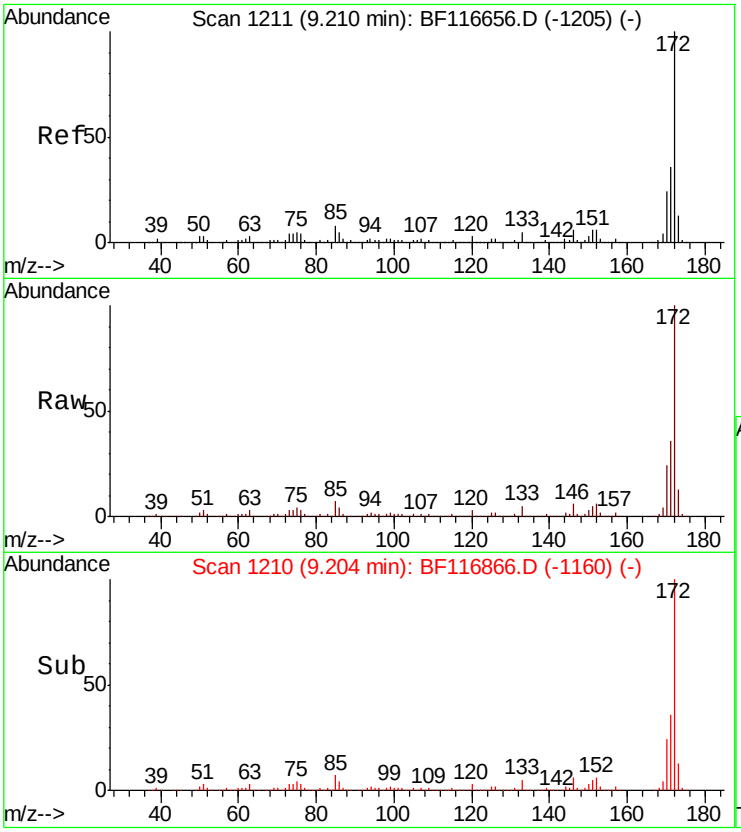


#42
2,4,6-Tribromophenol
Concen: 139.167 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:330 Resp: 161530

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.9	115.3
141	44.1	31.4	47.2

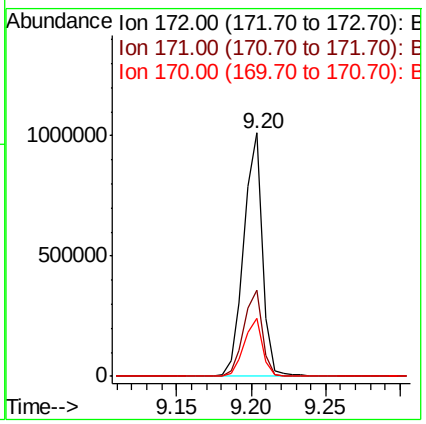




#45
2-Fluorobiphenyl
Concen: 84.833 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:172 Resp: 873130

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	24.0	18.9	28.3



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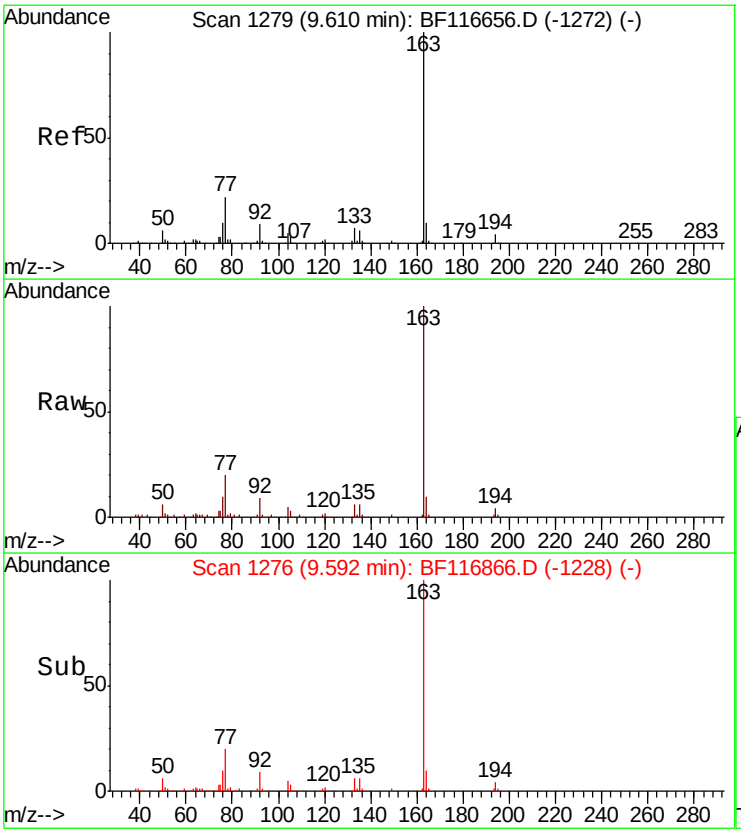
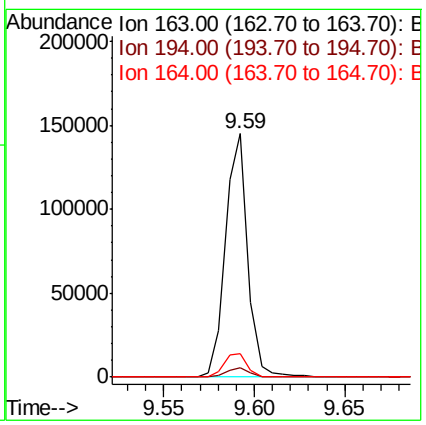
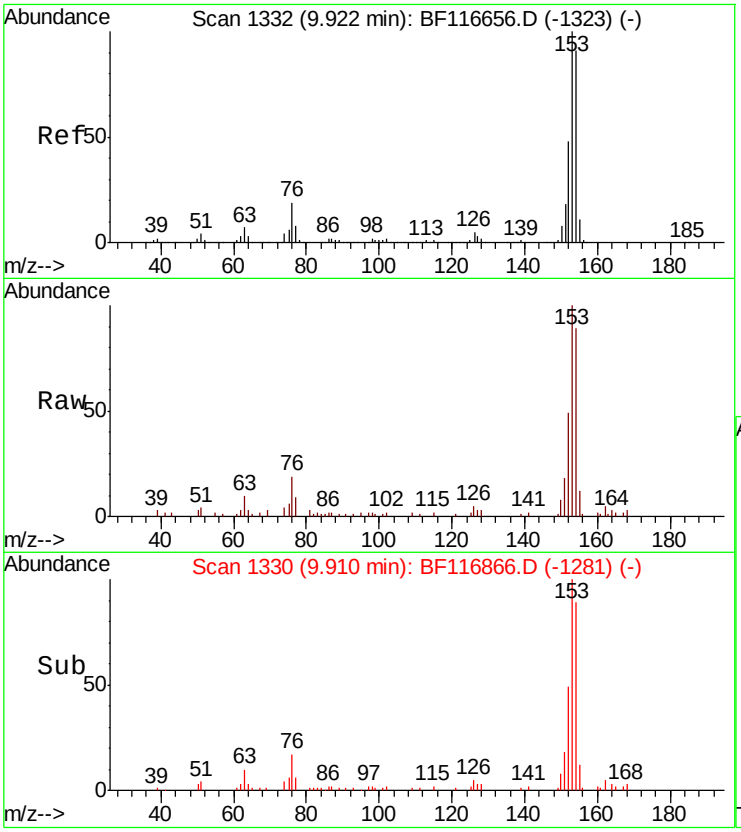


#50
Dimethylphthalate
Concen: 10.360 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:163 Resp: 124180

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	9.6	8.6	12.8

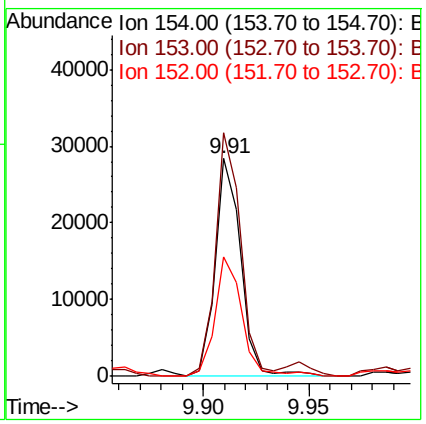




#52
Acenaphthene
Concen: 2.469 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:154 Resp: 23929

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.5	134.3
152	54.6	41.9	62.9



Instrument :
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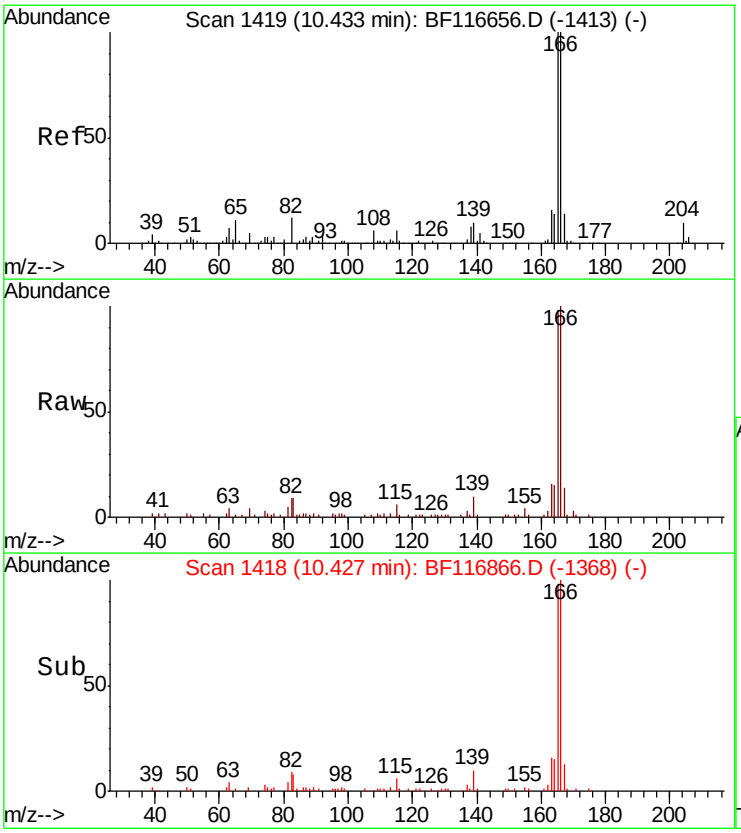
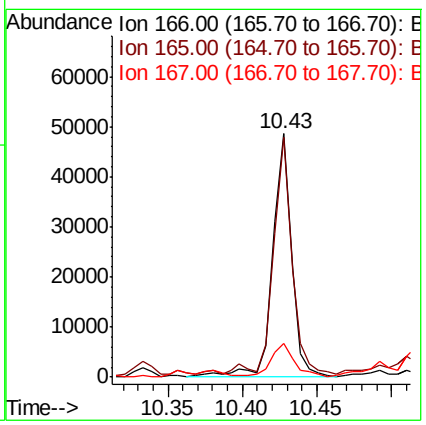
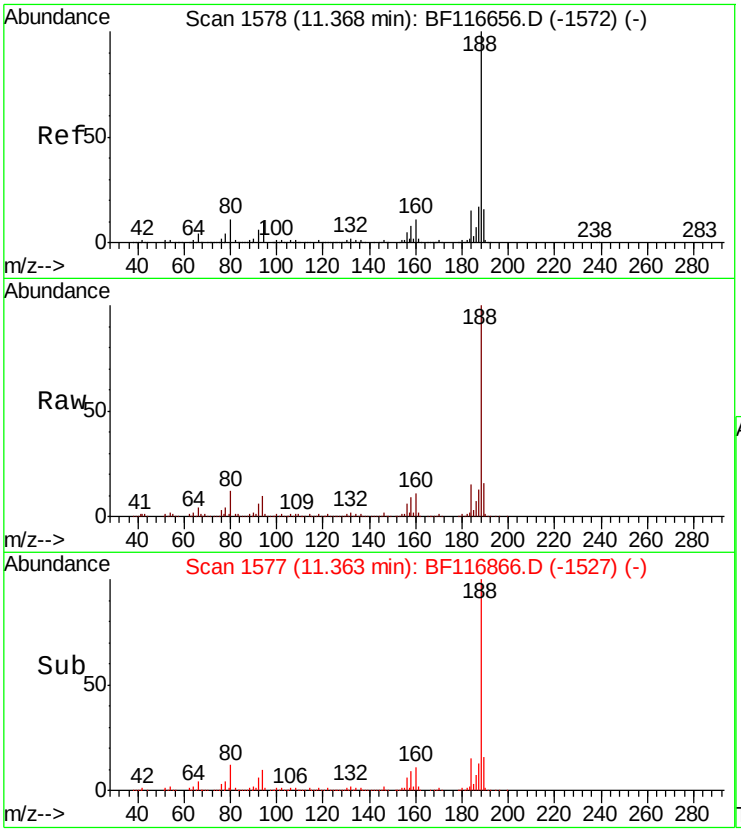


#58
Fluorene
Concen: 4.153 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:166 Resp: 43231

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.8	118.2
167	14.0	10.0	15.0

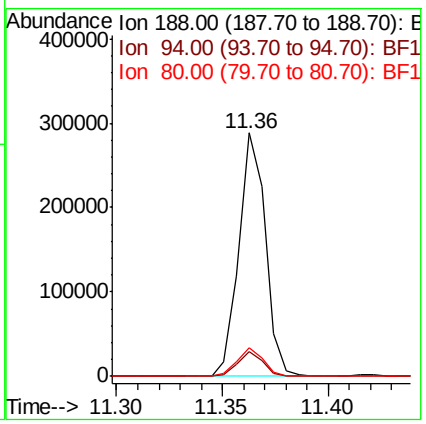




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:188 Resp: 251258

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.3	10.9
80	11.8	8.4	12.6



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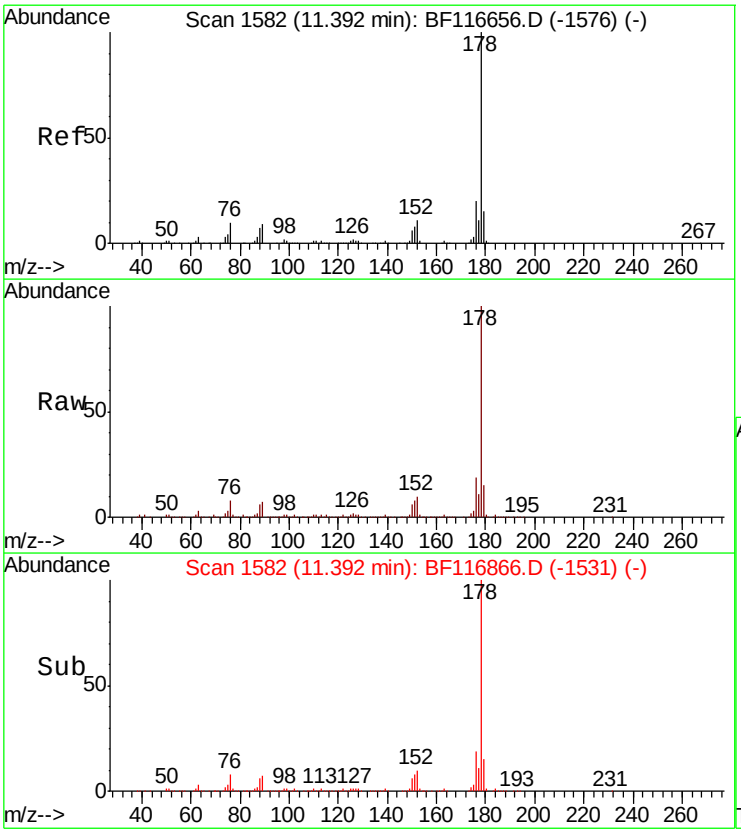
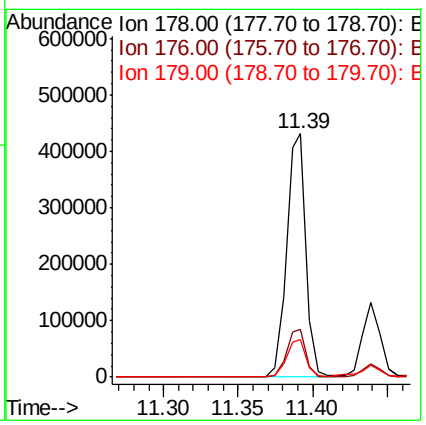
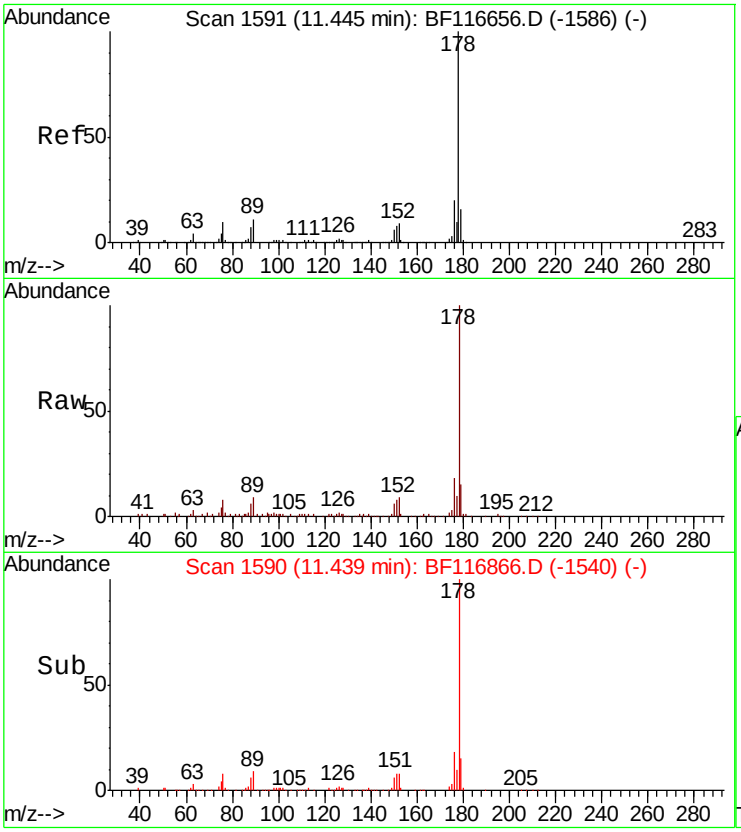


#71
Phenanthrene
Concen: 28.222 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:178 Resp: 394728

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.2	12.2	18.2

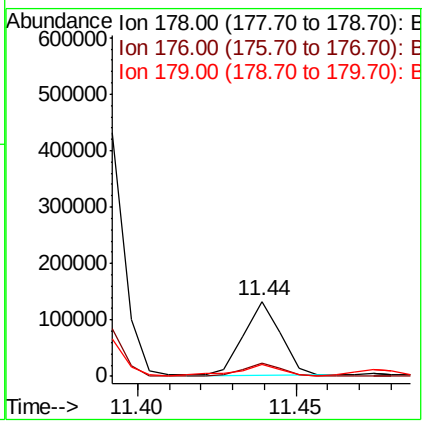




#72
Anthracene
Concen: 7.589 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:178 Resp: 106854

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.0
179	15.0	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
RBR-200030

Manual Integrations APPROVED
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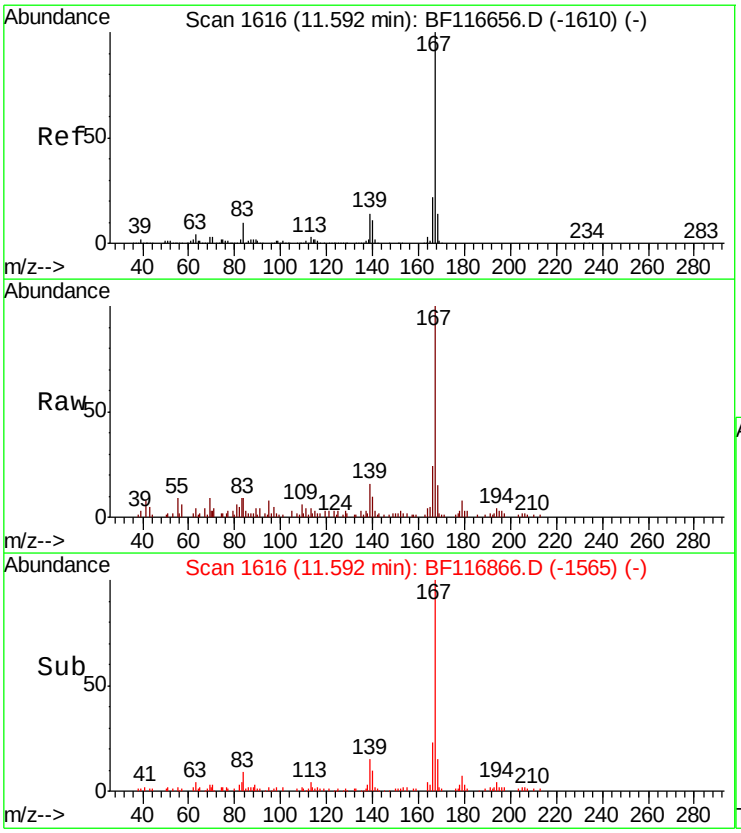
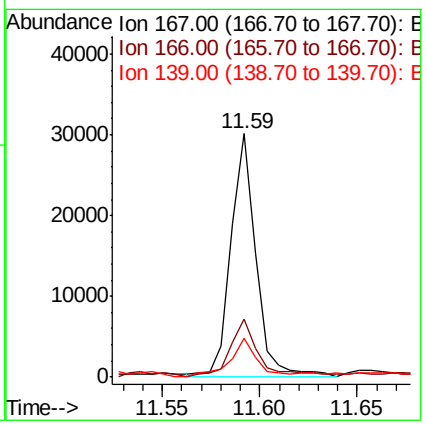
9/12/2019 9:23:34 AM

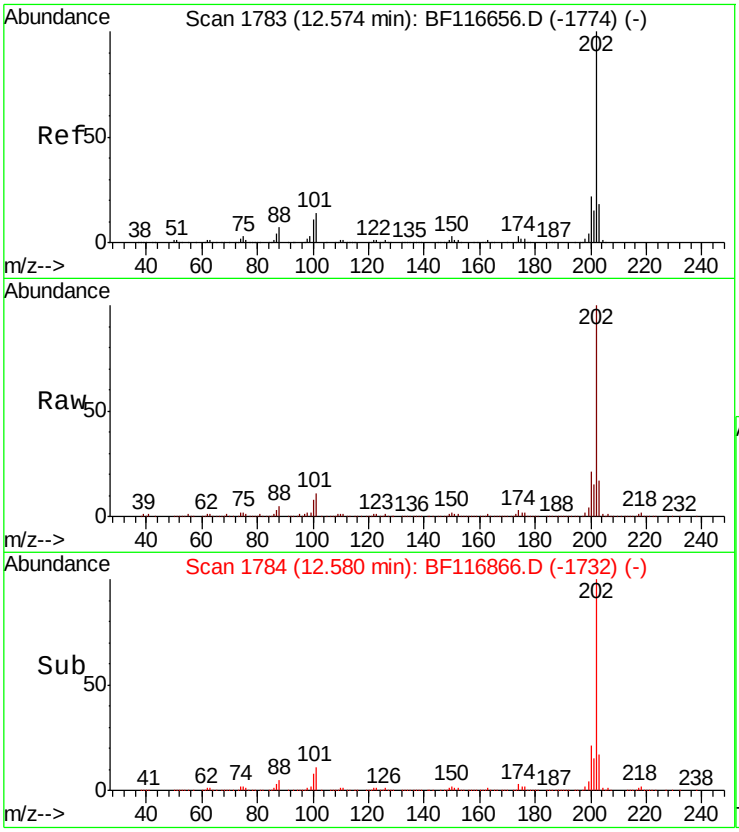


#73
Carbazole
Concen: 2.019 ng
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:167 Resp: 27080

Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.8	26.6
139	16.0	11.1	16.7

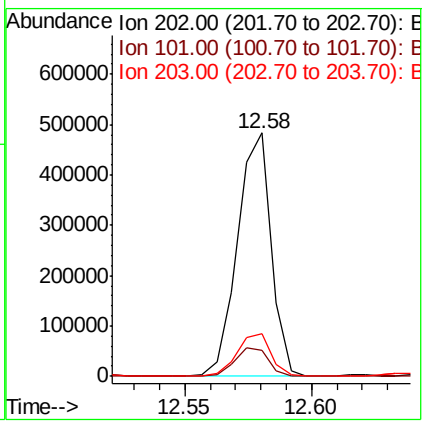




#75
Fluoranthene
Concen: 32.424 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:202 Resp: 445678

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.3
203	17.4	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
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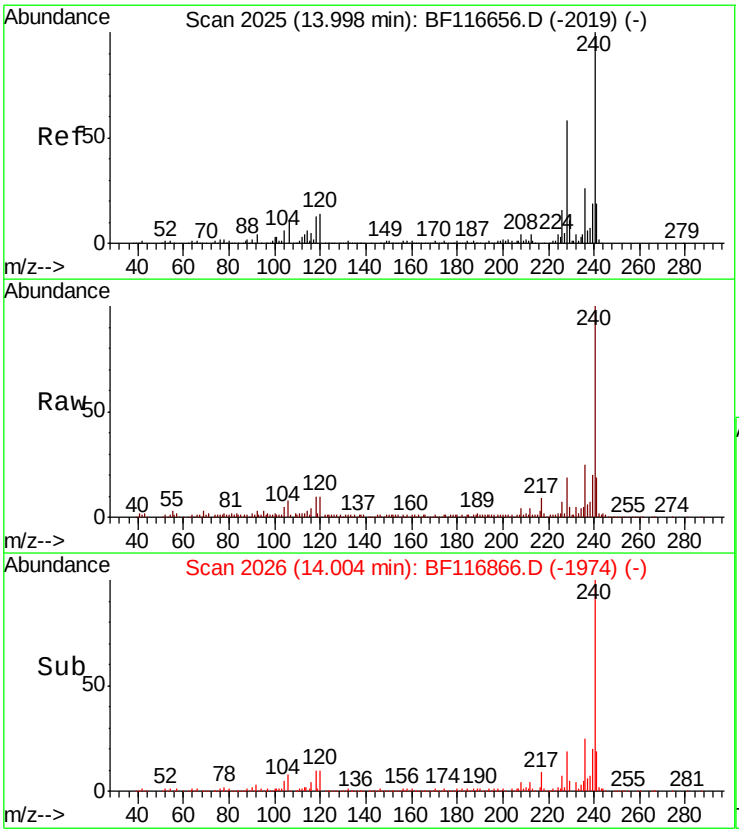
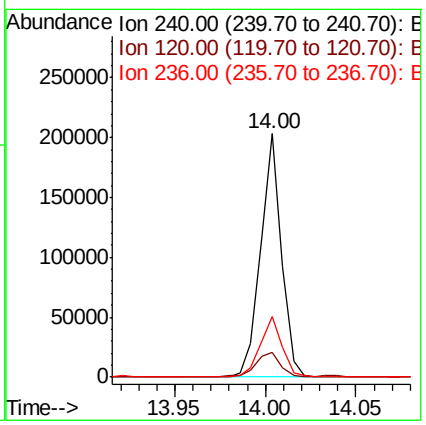
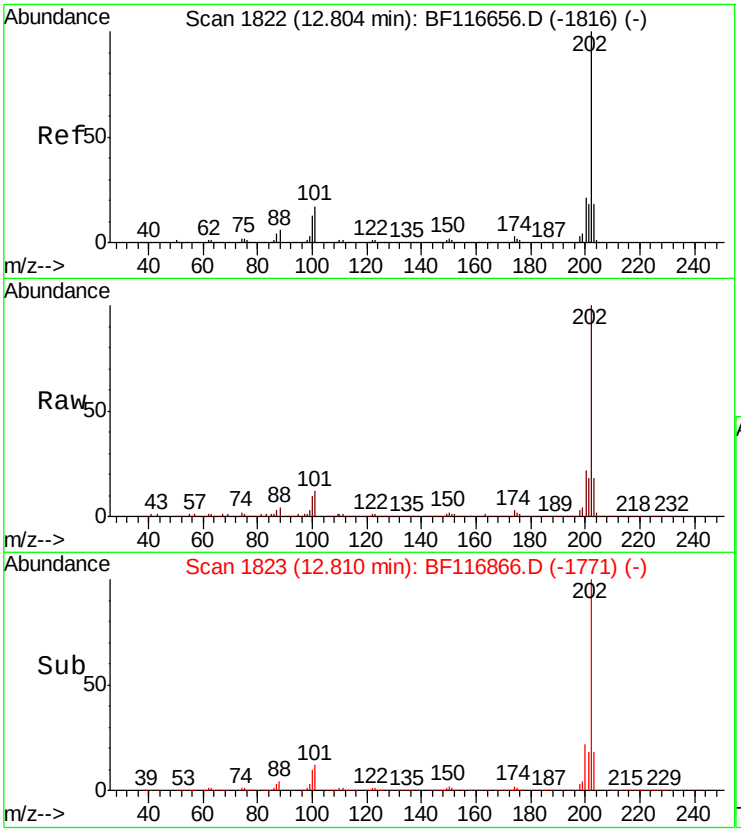


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:240 Resp: 163788

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.1	13.7
236	25.1	21.1	31.7

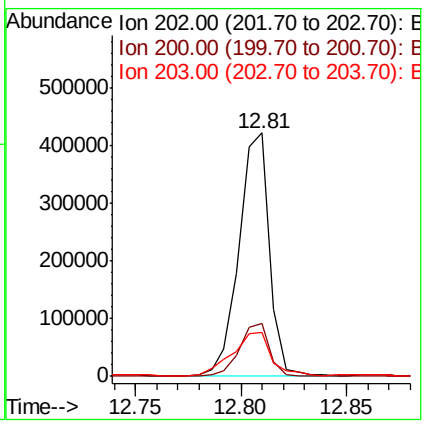




#78
Pyrene
Concen: 28.869 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:202 Resp: 420328

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.5	24.7
203	18.2	13.7	20.5



Instrument :
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ClientSampleId :
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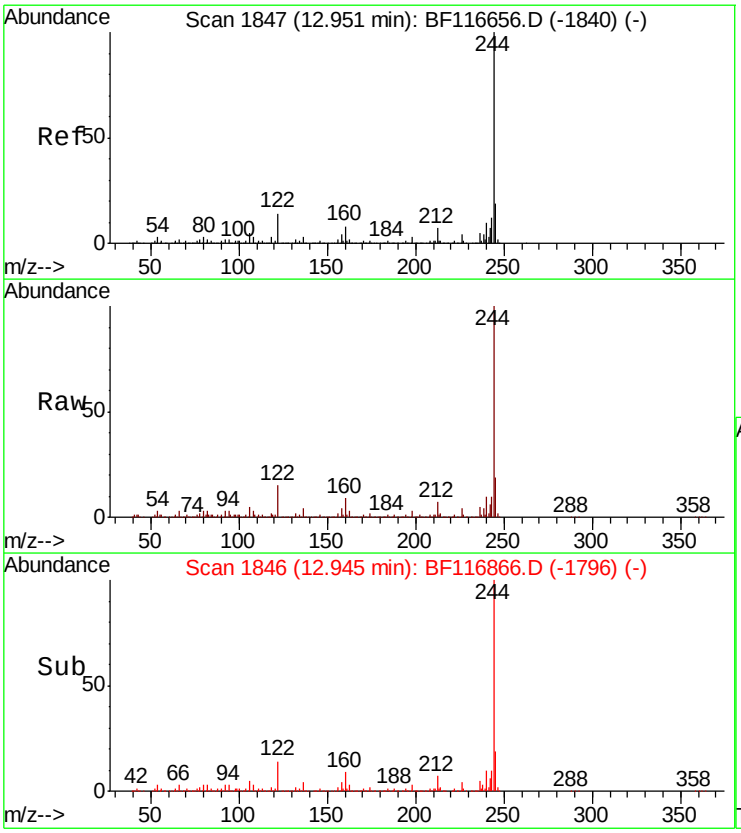
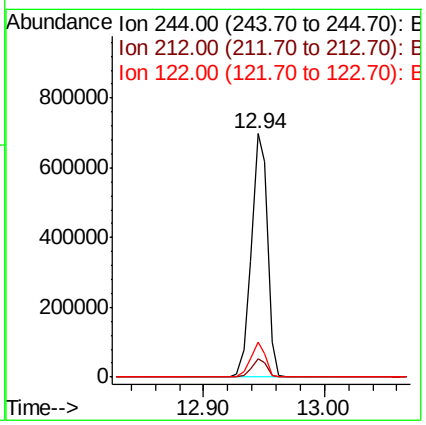
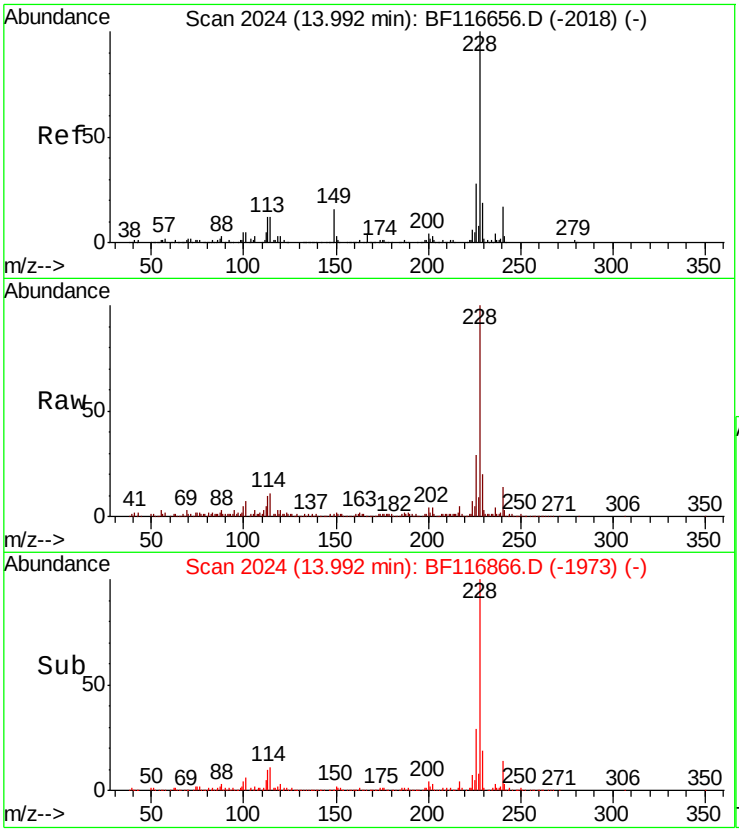


#79
Terphenyl-d14
Concen: 73.651 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:244 Resp: 652082

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	14.5	10.2	15.4

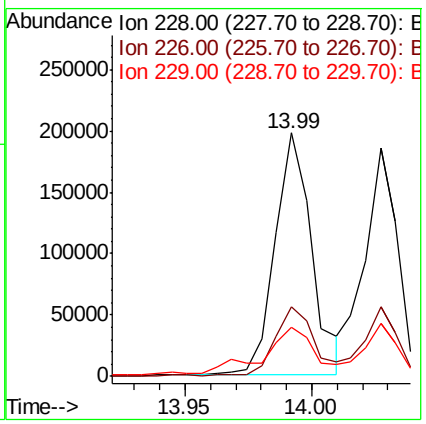




#81
Benzo(a)anthracene
Concen: 19.165 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:228 Resp: 198669

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.0	33.0
229	19.9	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
RBR-200030

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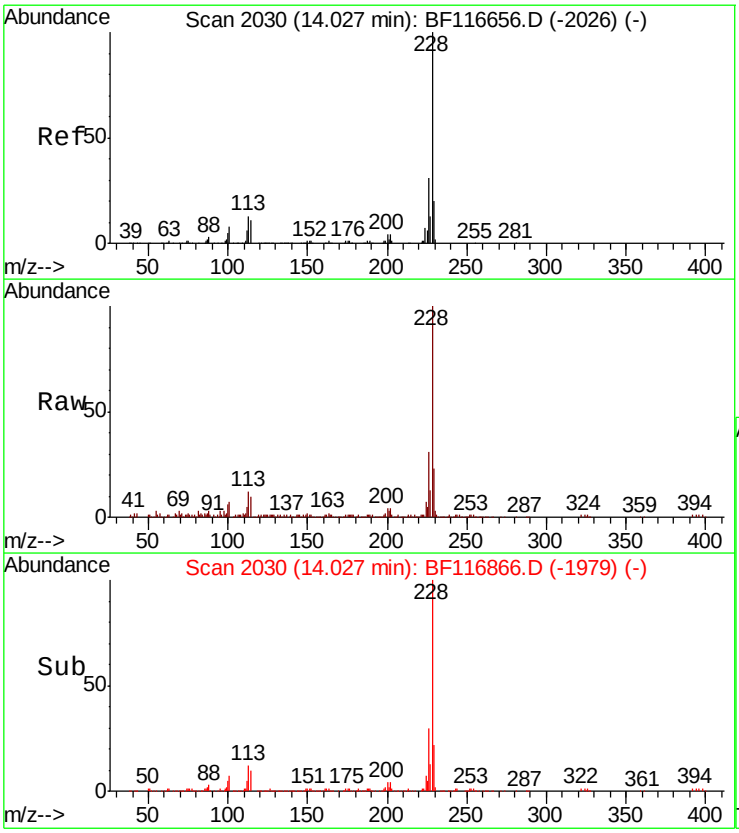
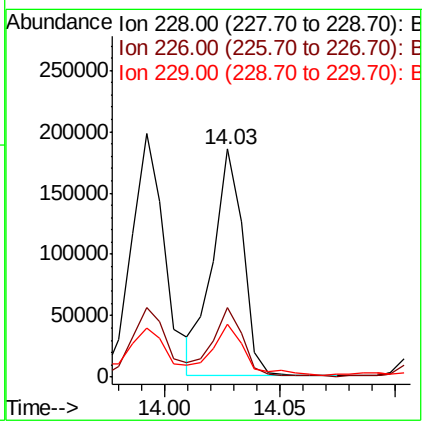
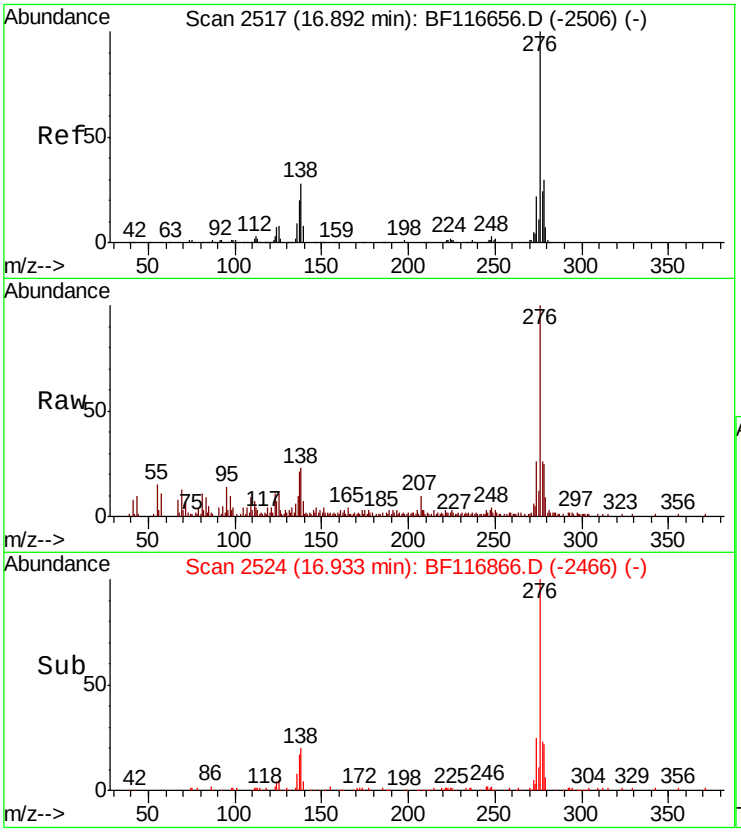


#83
Chrysene
Concen: 15.754 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:228 Resp: 168247

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	23.0	15.4	23.0

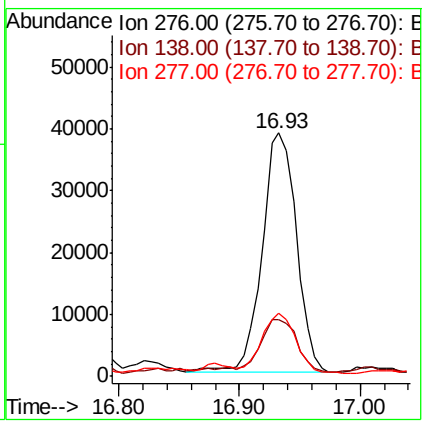




#86
Indeno(1,2,3-cd)pyrene
Concen: 8.875 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.04 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:276 Resp: 76131

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.4	29.2
277	25.0	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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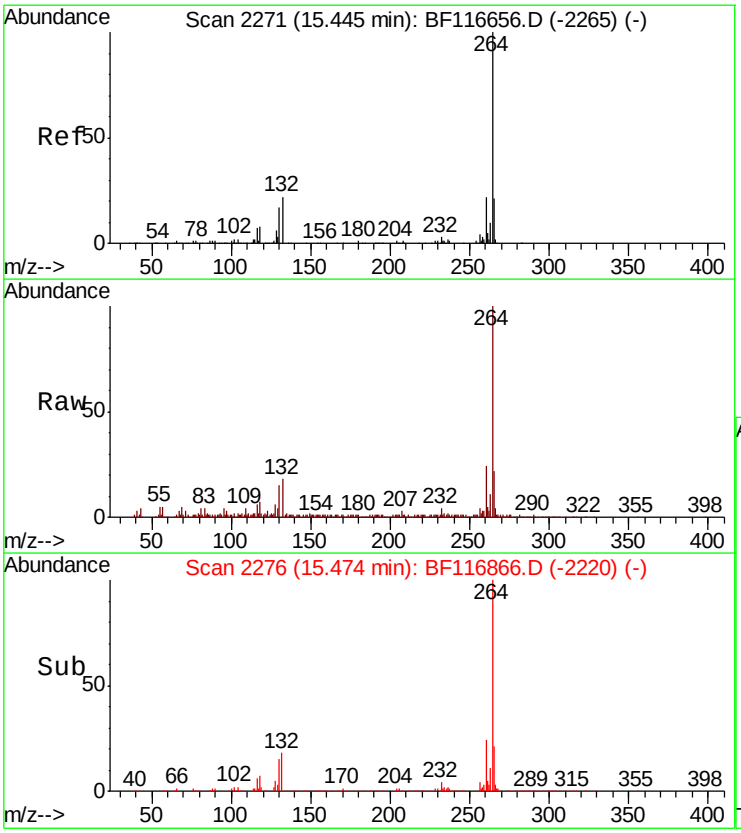
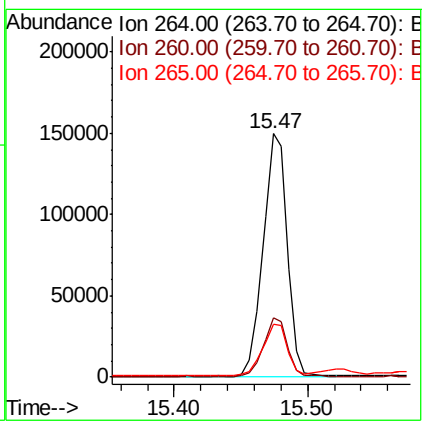
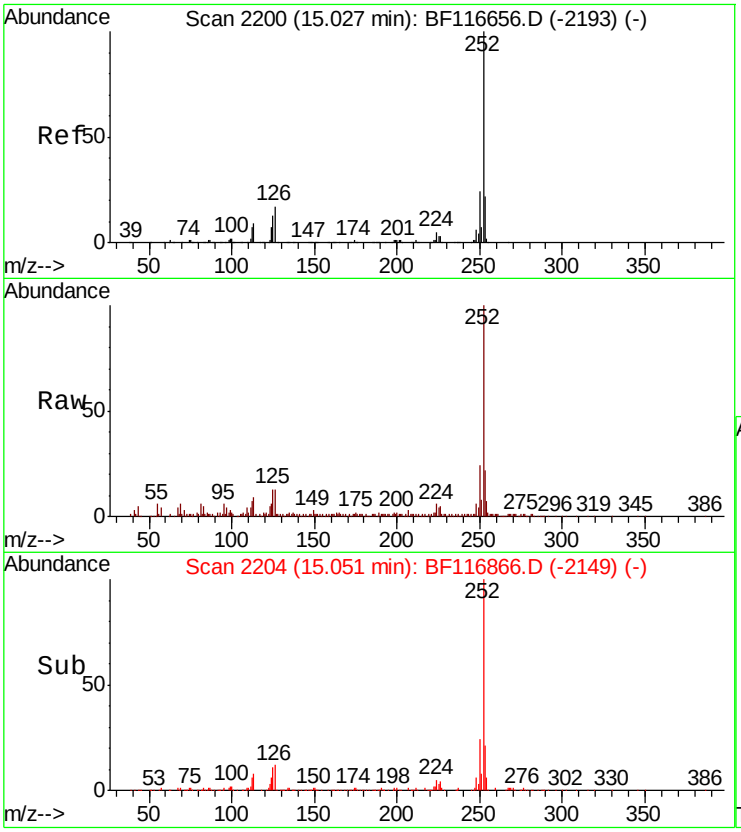


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.03 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:264 Resp: 187240

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	21.7	16.5	24.7





#88
Benzo(b)fluoranthene
Concen: 19.517 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:252 Resp: 220936

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	12.6	8.2	12.2#

Instrument :
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ClientSampleId :
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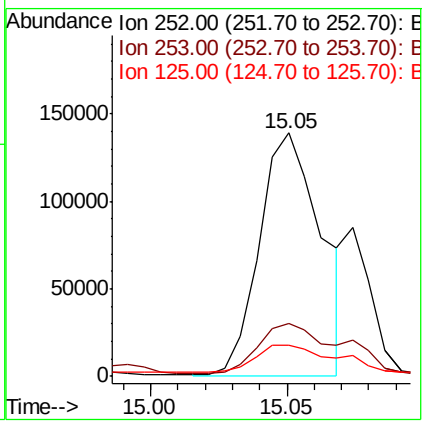
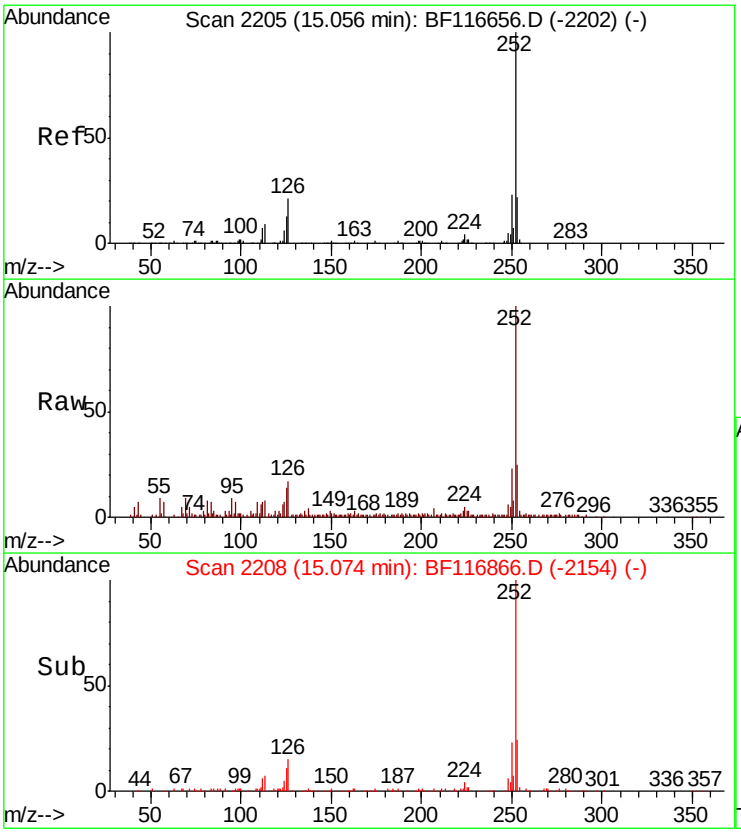
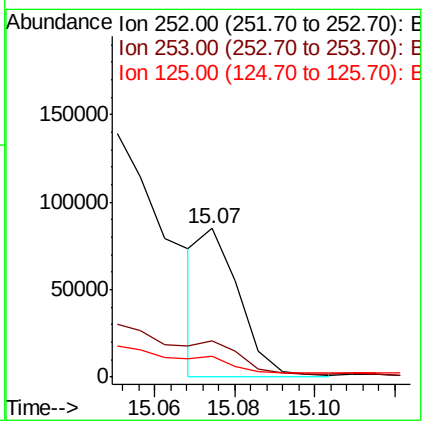


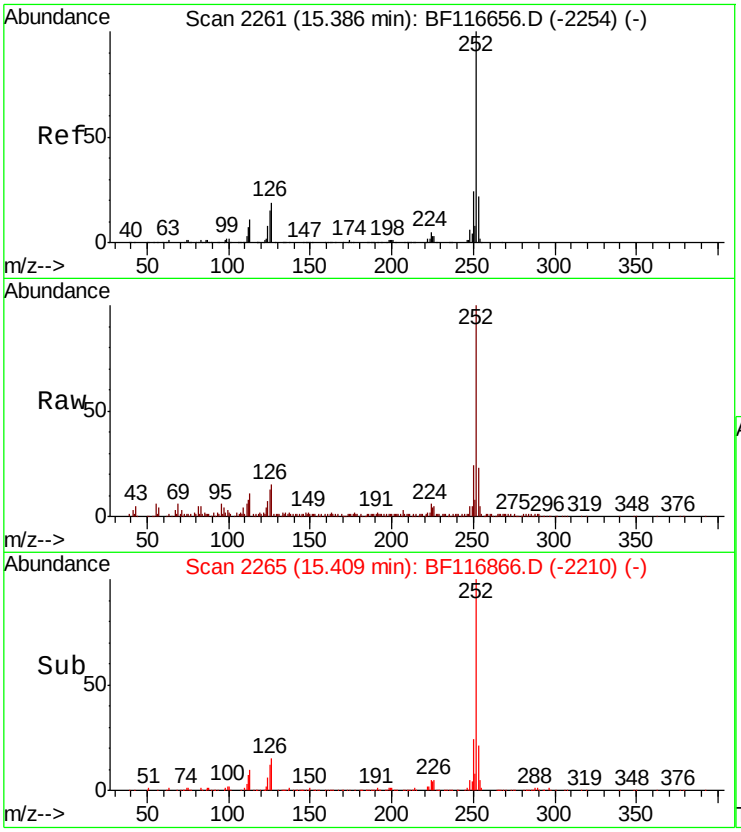


#89
Benzo(k)fluoranthene
Concen: 5.488 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.02 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:252 Resp: 56642

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	14.2	8.6	13.0#

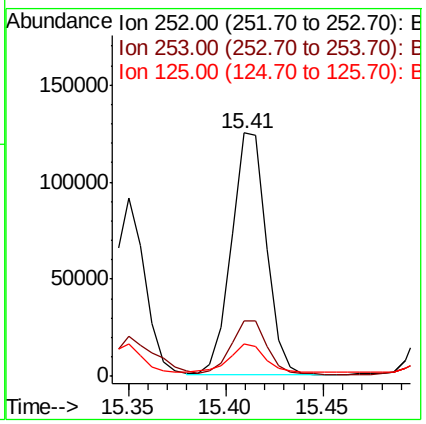




#90
Benzo(a)pyrene
Concen: 15.736 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:252 Resp: 154980

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	13.2	9.8	14.8



Instrument :
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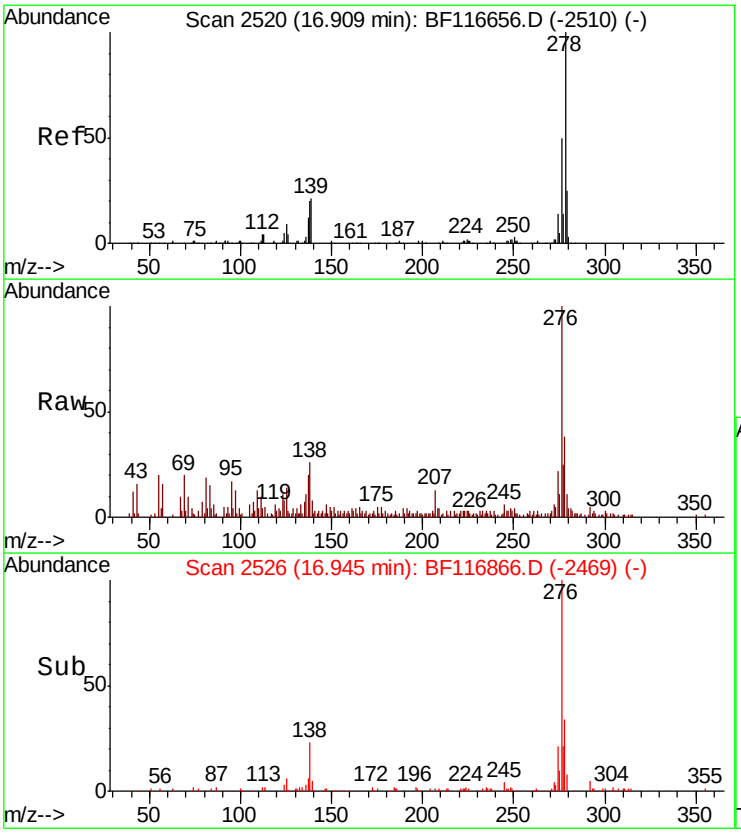
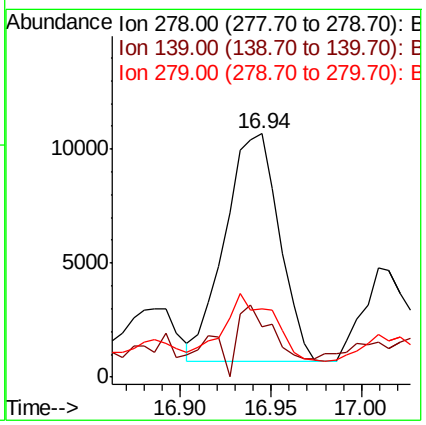
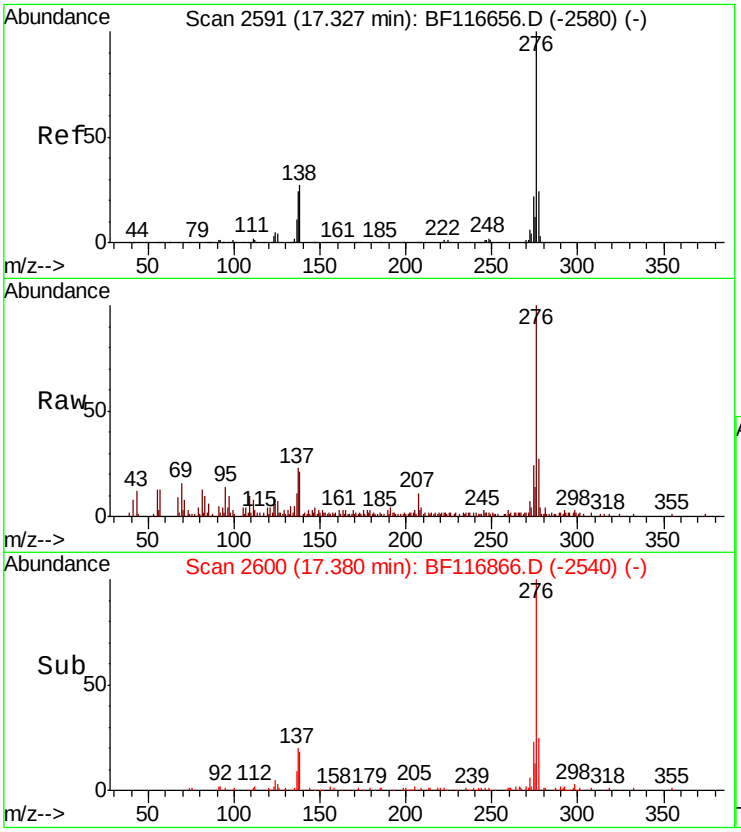


#91
Dibenzo(a,h)anthracene
Concen: 2.420 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.04 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:278 Resp: 20858

Ion	Ratio	Lower	Upper
278	100		
139	20.8	12.4	18.6#
279	28.2	18.2	27.4#

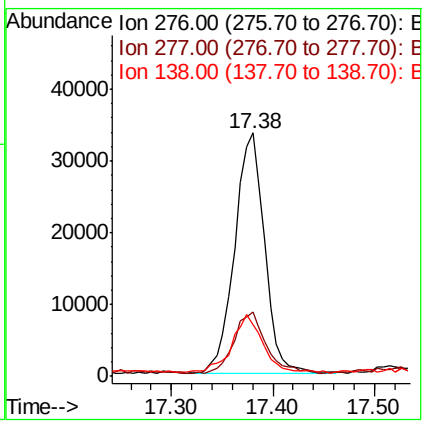




#92
Benzo(g,h,i)perylene
Concen: 7.821 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.05 min
Lab File: BF116866.D
Acq: 6 Sep 2019 18:16

Tgt Ion:276 Resp: 68761

Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.5	27.7
138	21.1	16.2	24.2



Instrument :
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ClientSampleId :
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