Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
Data File : BF117668.D
Acq On : 31 Oct 2019 19:46
Operator : JU
Sample : K5576-19DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

Manual Integrations APPROVED
mohammad
11/1/2019 12:34:44 PM

Quant Time: Nov 01 02:12:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	36237	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	173587	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	85157	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	122816	20.00	ng		0.00
76) Chrysene-d12	13.90	240	76663	20.00	ng		0.00
87) Perylene-d12	15.34	264	71668	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	12214m	5.01	ng		0.06
7) Phenol-d6	6.44	99	21110	6.45	ng		0.06
23) Nitrobenzene-d5	7.33	82	11743	3.34	ng		0.02
42) 2,4,6-Tribromophenol	10.57	330	3498	4.75	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	25270	4.18	ng		0.00
79) Terphenyl-d14	12.83	244	18729	3.98	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.03	128	18321	2.129	ng		96
52) Acenaphthene	9.79	154	27449	5.730	ng		98
55) Dibenzofuran	9.97	168	23679	3.412	ng		100
58) Fluorene	10.32	166	26775	4.665	ng		97
71) Phenanthrene	11.27	178	346774	48.626	ng		98
72) Anthracene	11.33	178	93290	12.749	ng		97
73) Carbazole	11.50	167	18562	2.776	ng		95
75) Fluoranthene	12.47	202	281769	39.468	ng		99
78) Pyrene	12.70	202	256045	38.883	ng		100
81) Benzo(a)anthracene	13.89	228	92651	17.917	ng		99
83) Chrysene	13.92	228	82484	16.275	ng		98
86) Indeno(1,2,3-cd)pyrene	16.77	276	31002	8.193	ng		98
88) Benzo(b)fluoranthene	14.93	252	77807m	18.385	ng		
89) Benzo(k)fluoranthene	14.95	252	24989m	5.761	ng		
90) Benzo(a)pyrene	15.28	252	58715	15.259	ng		94
91) Dibenzo(a,h)anthracene	16.76	278	7309m	2.197	ng		
92) Benzo(g,h,i)perylene	17.20	276	27964	8.883	ng	#	93

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

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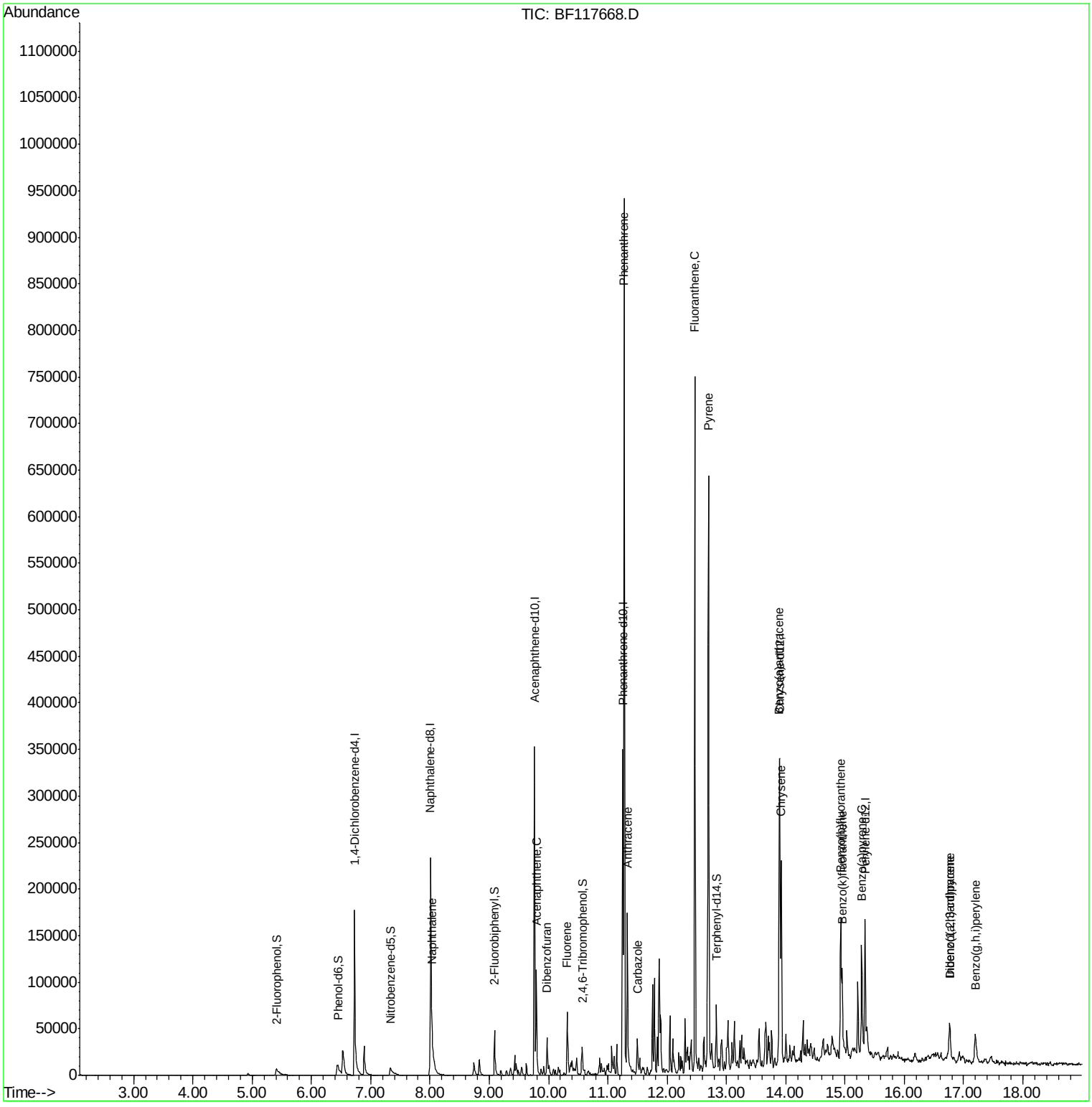
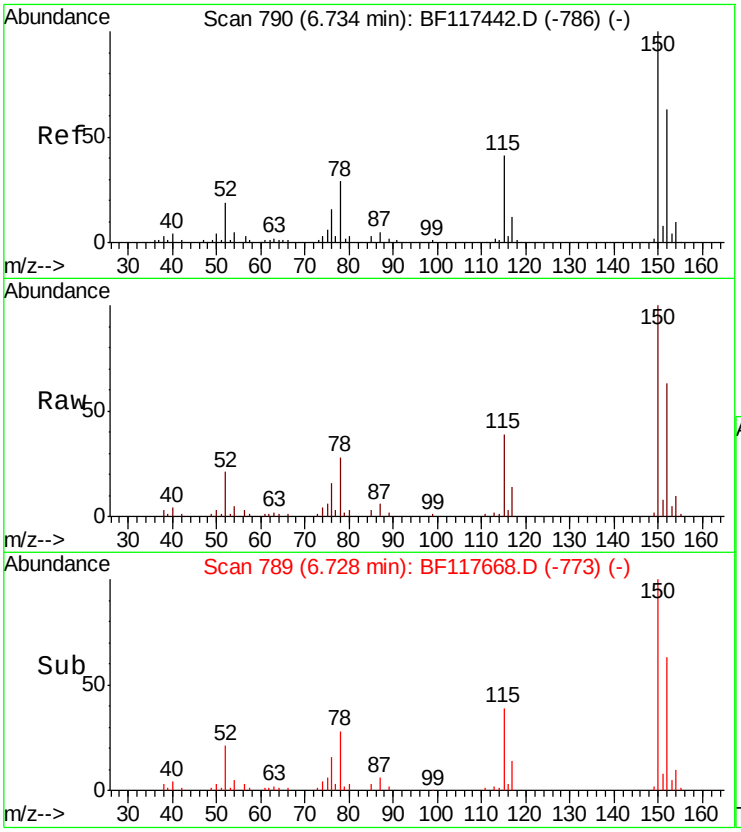
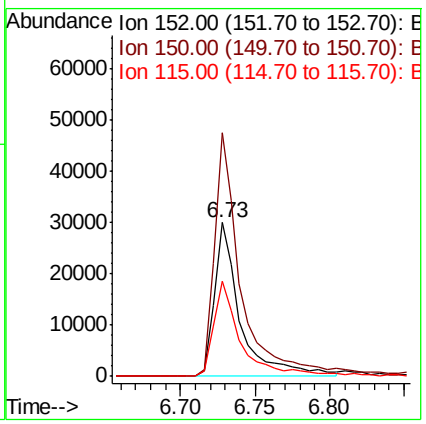




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:152 Resp: 36237

Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.8	190.2
115	61.8	51.6	77.4



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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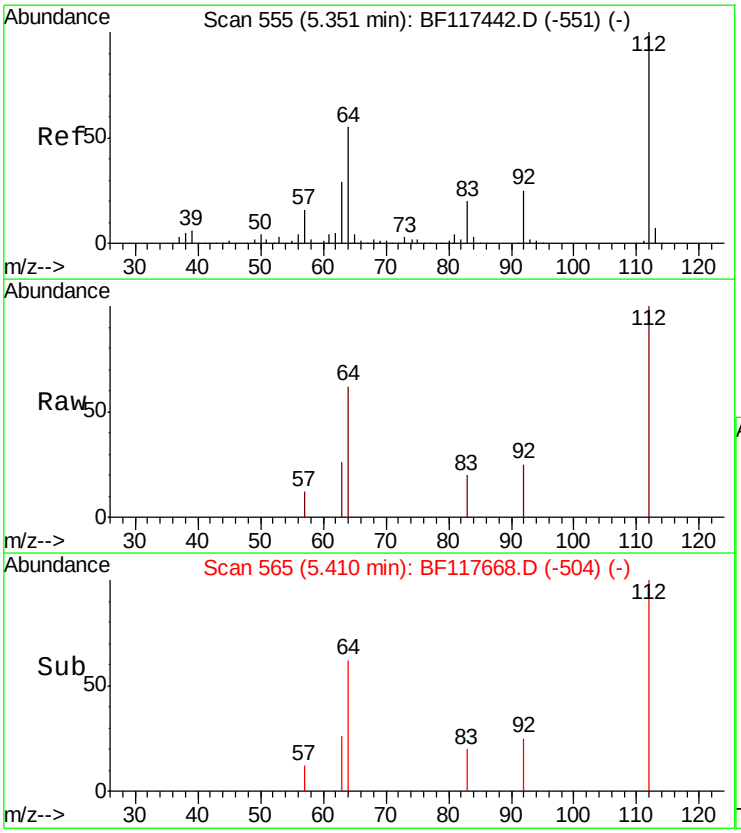
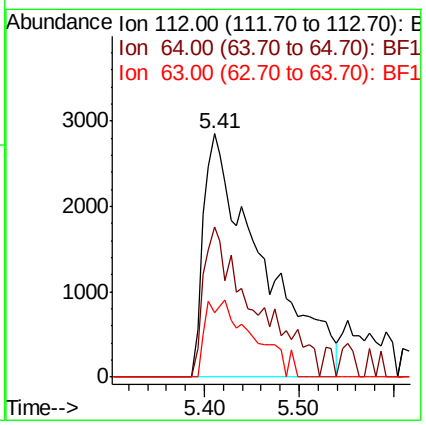
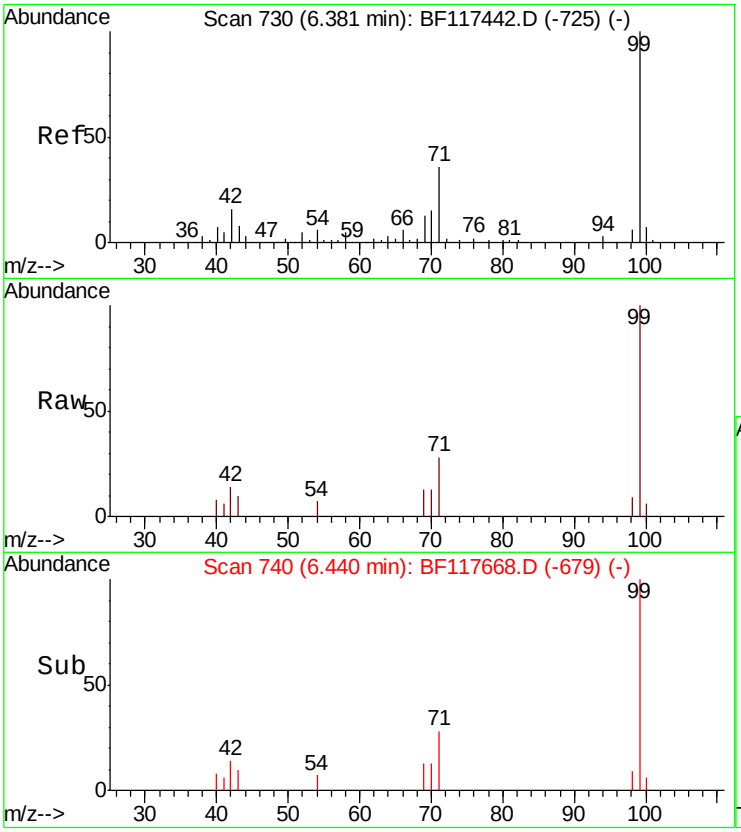


#5
2-Fluorophenol
Concen: 5.014 ng m
RT: 5.41 min Scan# 565
Delta R.T. 0.06 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:112 Resp: 12214

Ion	Ratio	Lower	Upper
112	100		
64	61.6	44.1	66.1
63	26.4	23.4	35.2

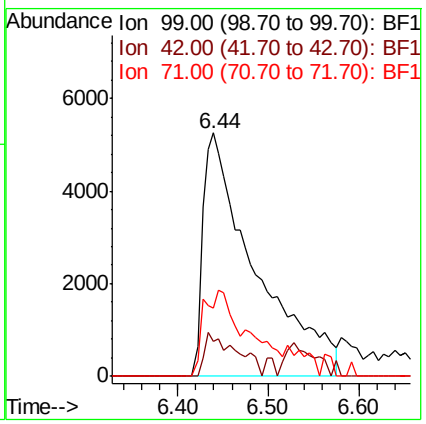




#7
Phenol-d6
Concen: 6.453 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.06 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion: 99 Resp: 21110

Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.8	19.2
71	28.1	28.6	43.0#



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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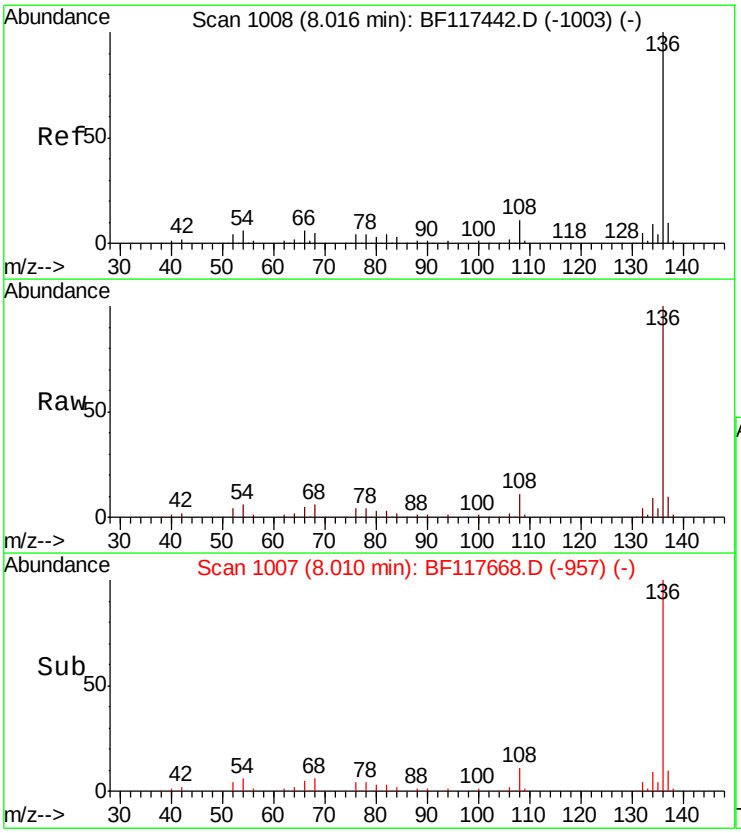
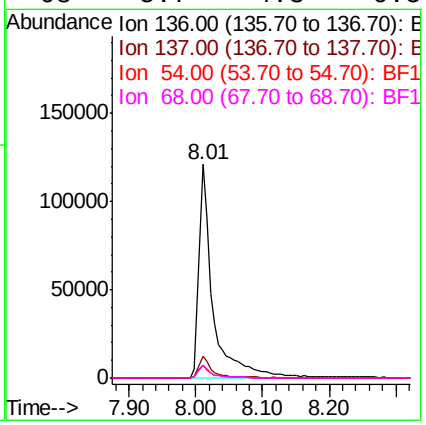
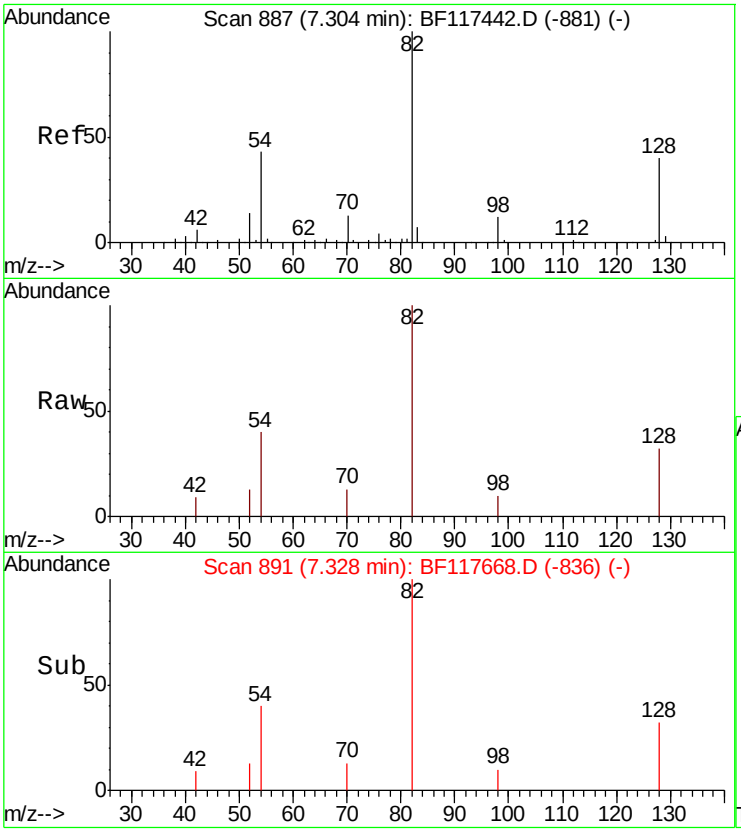


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:136 Resp: 173587

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.2	12.4
54	5.9	4.5	6.7
68	5.7	4.3	6.5

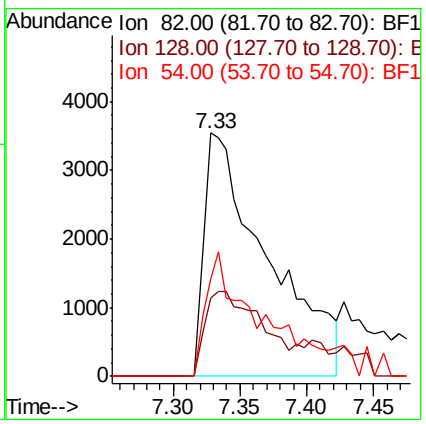




#23
Nitrobenzene-d5
Concen: 3.340 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.02 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion: 82 Resp: 11743

Ion	Ratio	Lower	Upper
82	100		
128	32.1	32.2	48.2#
54	40.4	34.2	51.2



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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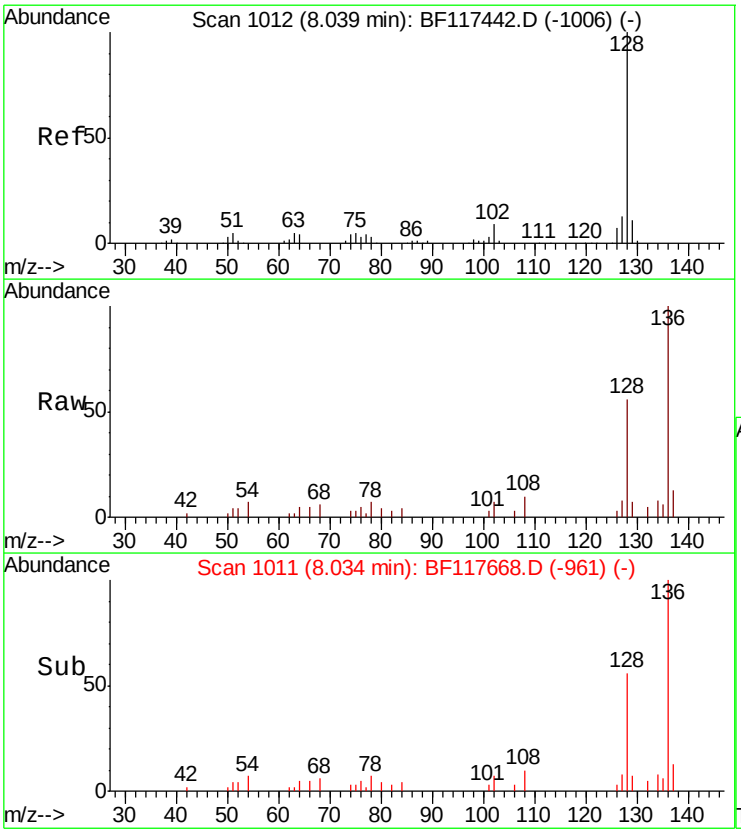
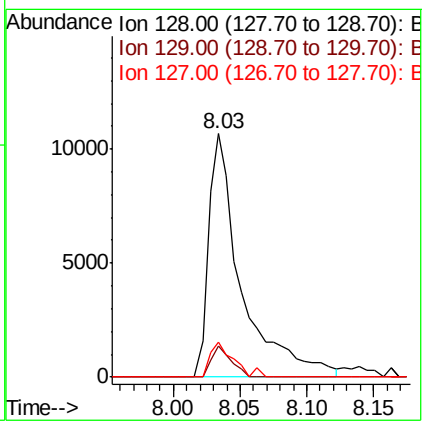
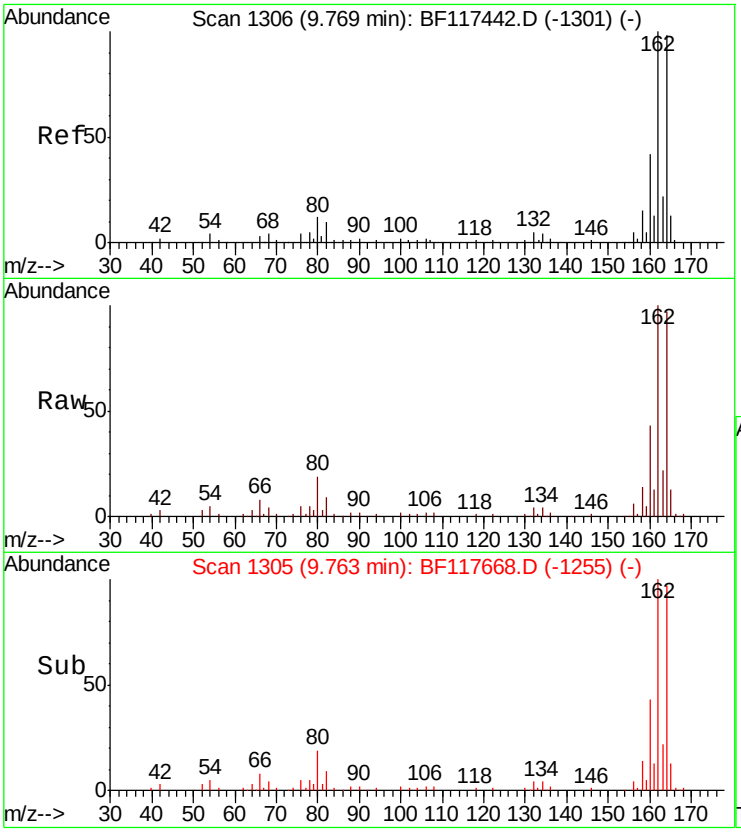


#31
Naphthalene
Concen: 2.129 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:128 Resp: 18321

Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.0	13.4
127	14.4	10.2	15.2

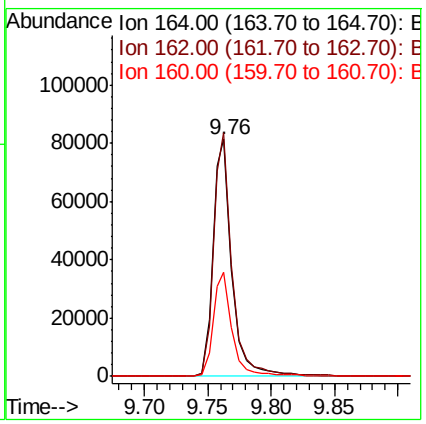




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:164 Resp: 85157

Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.8	122.6
160	44.2	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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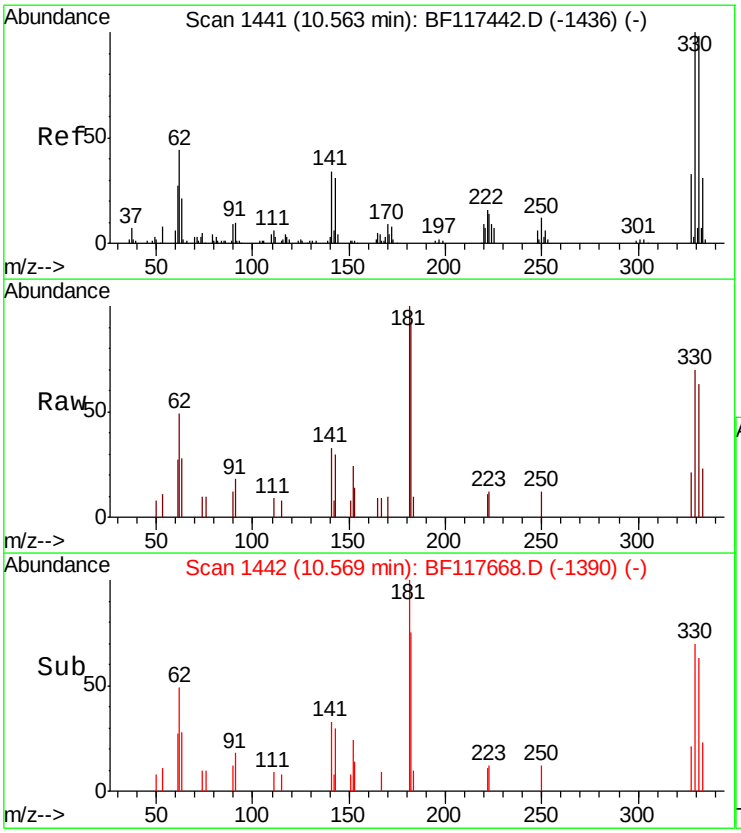
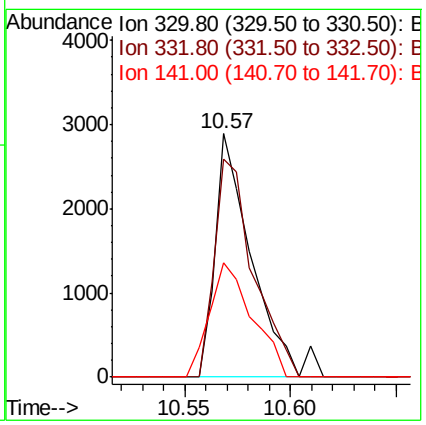
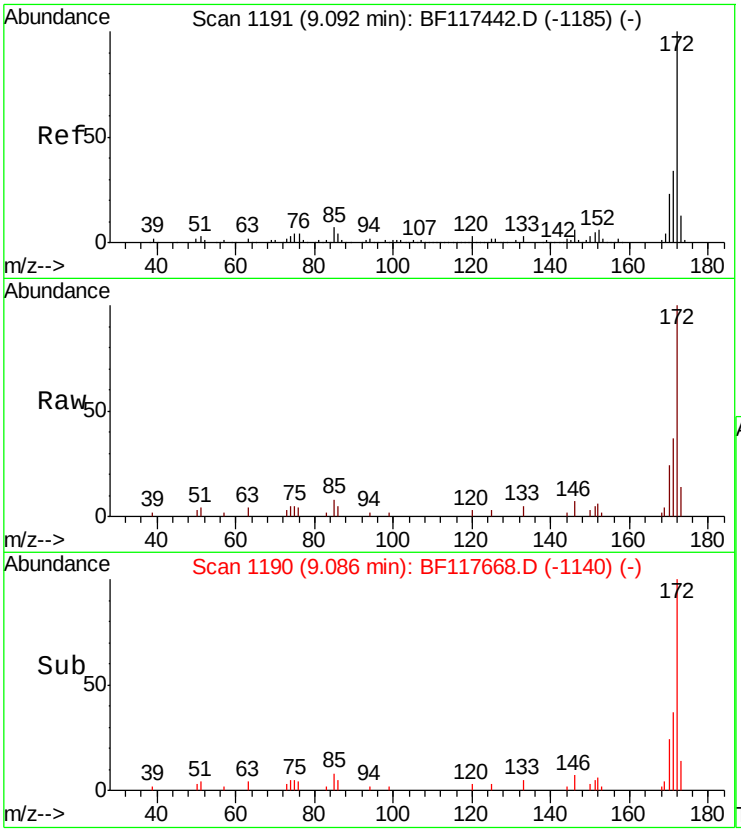


#42
2,4,6-Tribromophenol
Concen: 4.747 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:330 Resp: 3498

Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.5	117.7
141	55.1	37.0	55.6

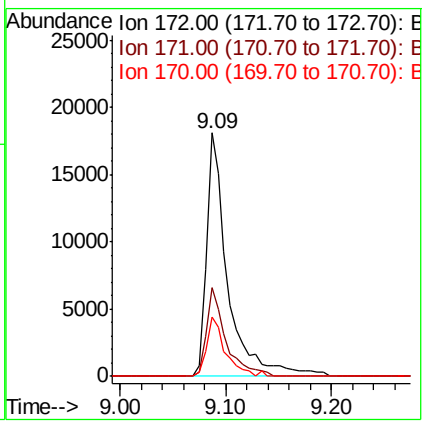




#45
2-Fluorobiphenyl
Concen: 4.181 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:172 Resp: 25270

Ion	Ratio	Lower	Upper
172	100		
171	36.6	27.5	41.3
170	24.2	18.6	27.8



Instrument :
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ClientSampleId :
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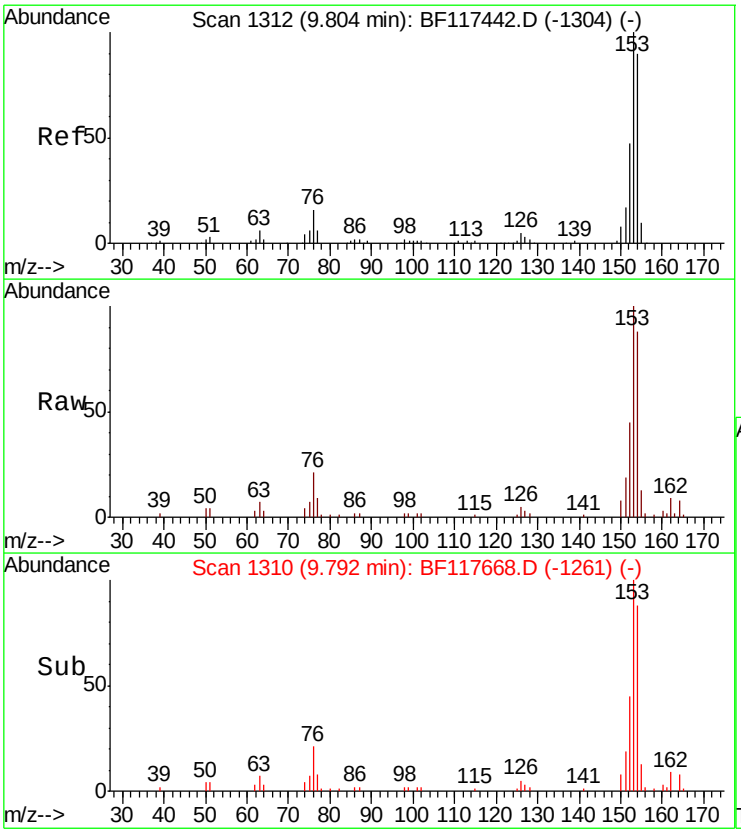
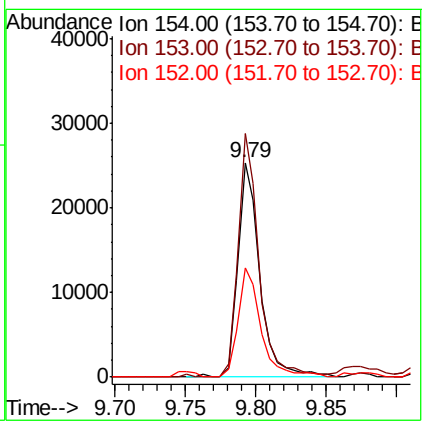
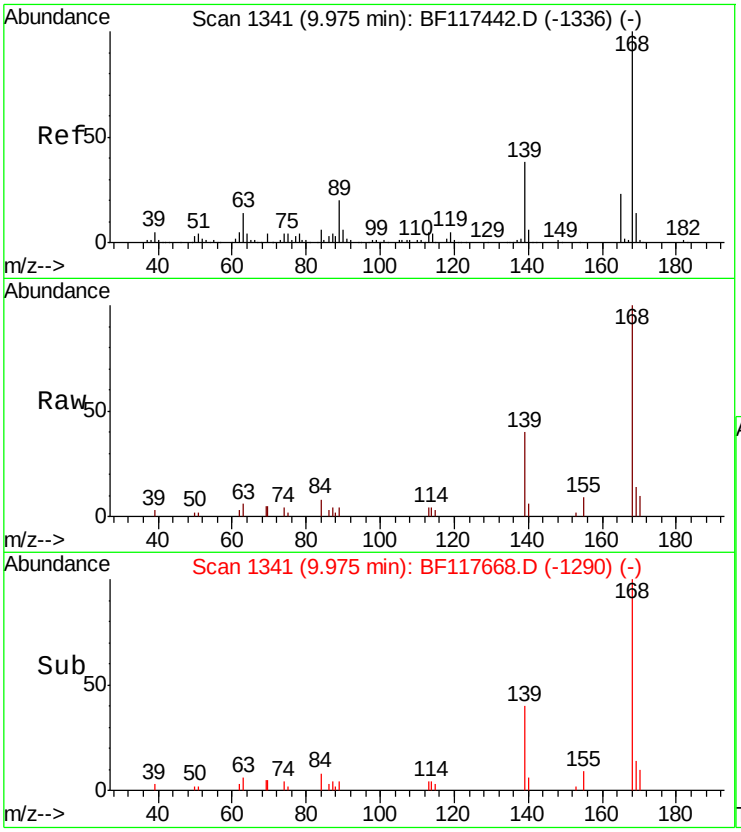


#52
Acenaphthene
Concen: 5.730 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:154 Resp: 27449

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.2	133.8
152	51.0	41.8	62.6

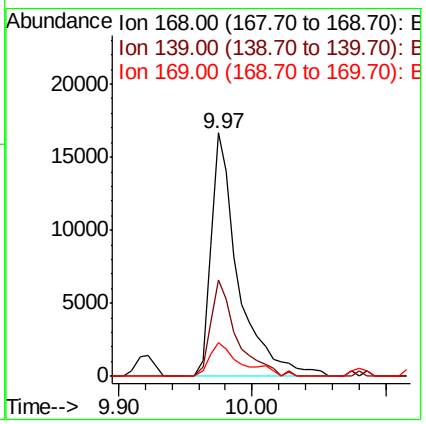




#55
Dibenzofuran
Concen: 3.412 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:168 Resp: 23679

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.8	47.6
169	14.0	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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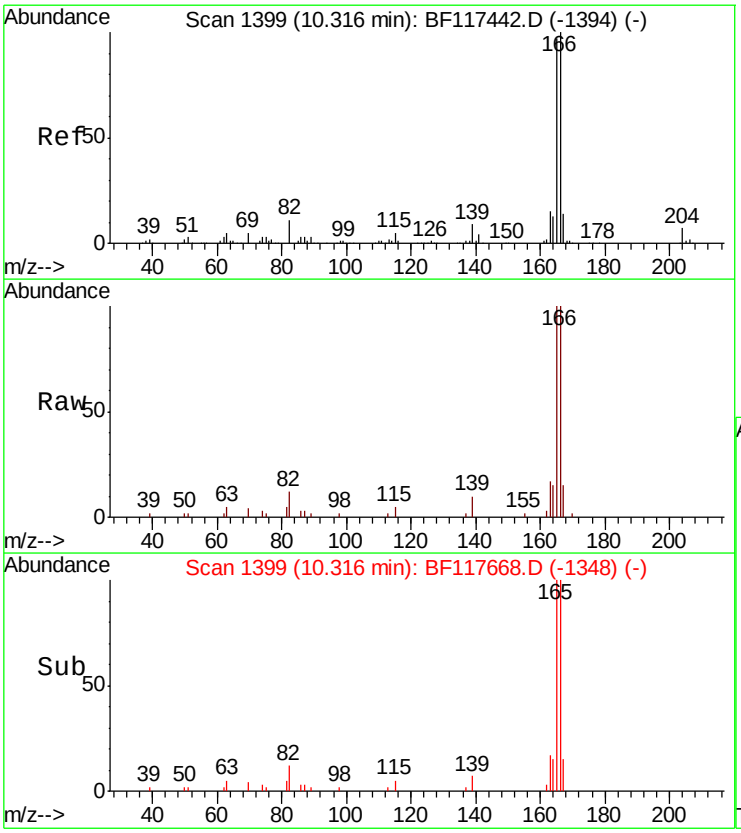
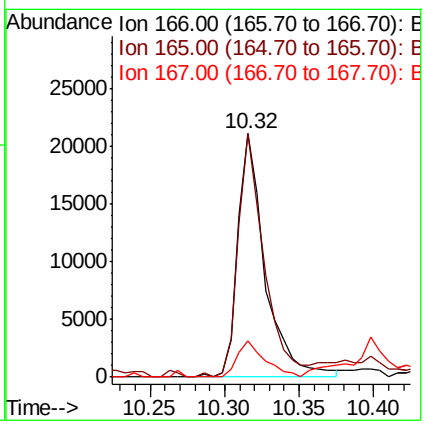
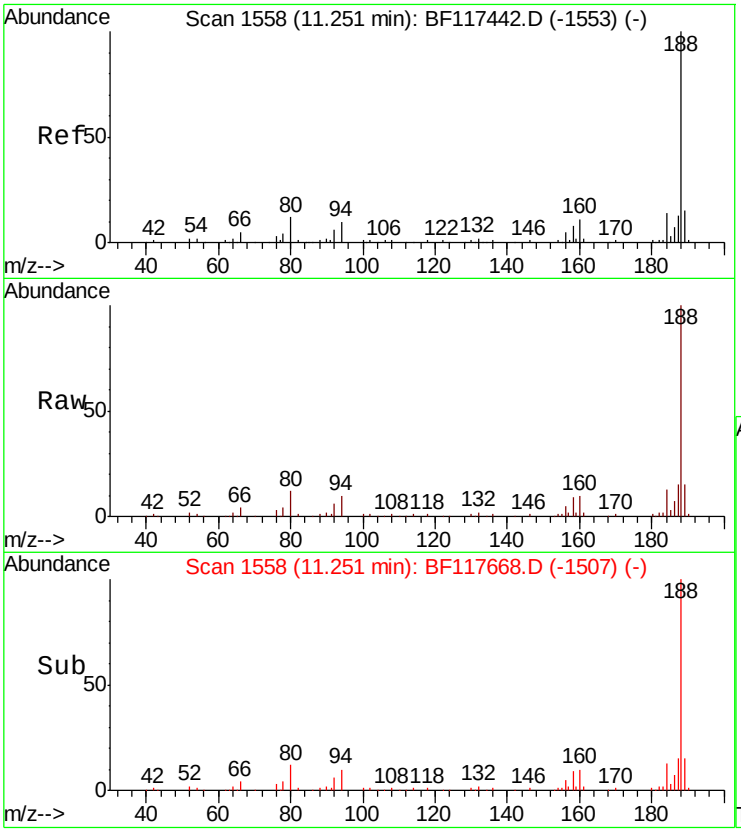


#58
Fluorene
Concen: 4.665 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:166 Resp: 26775

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.6	116.4
167	14.8	11.0	16.4

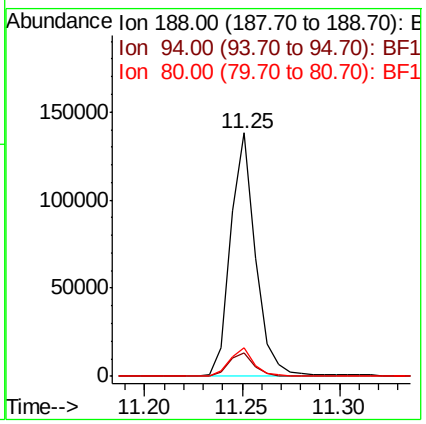




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:188 Resp: 122816

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.0	12.0
80	11.7	9.5	14.3



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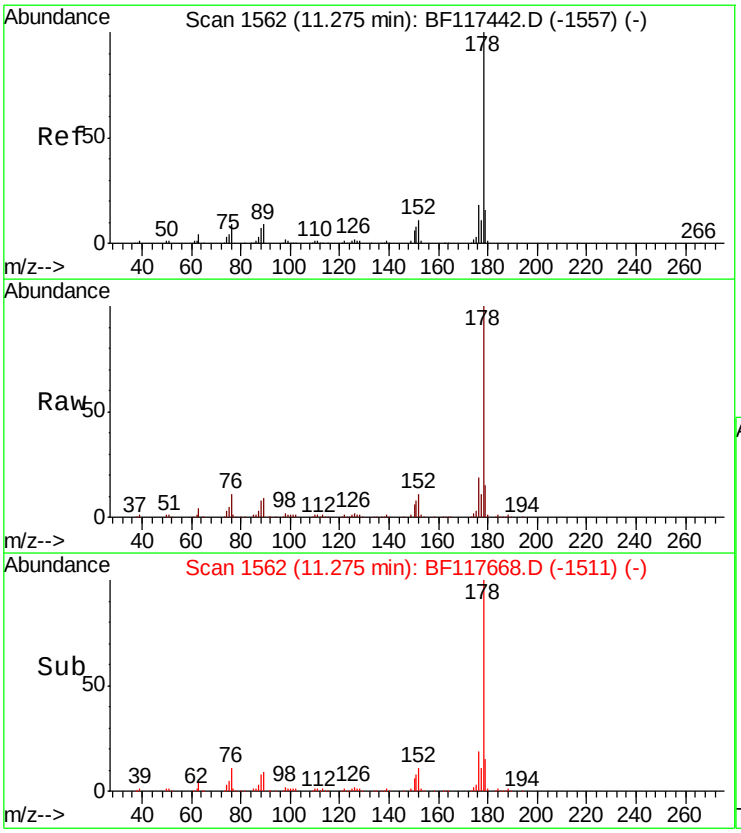
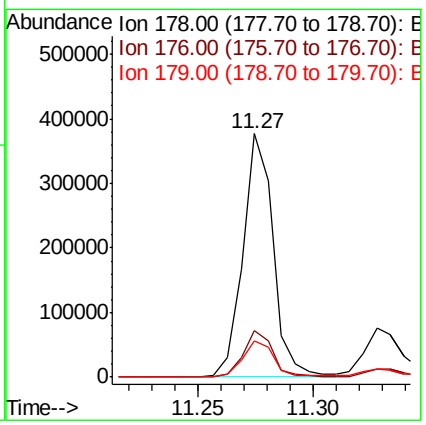
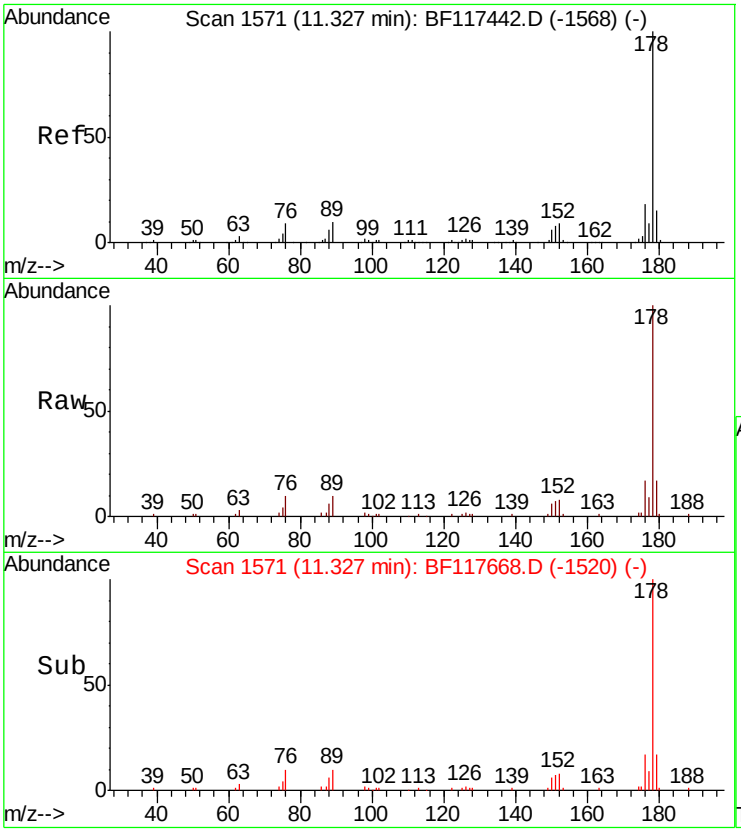


#71
Phenanthrene
Concen: 48.626 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:178 Resp: 346774

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.0	12.6	19.0





#72
Anthracene
Concen: 12.749 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:178 Resp: 93290

Ion	Ratio	Lower	Upper
178	100		
176	17.0	14.7	22.1
179	16.7	12.2	18.2

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

Manual Integrations APPROVED
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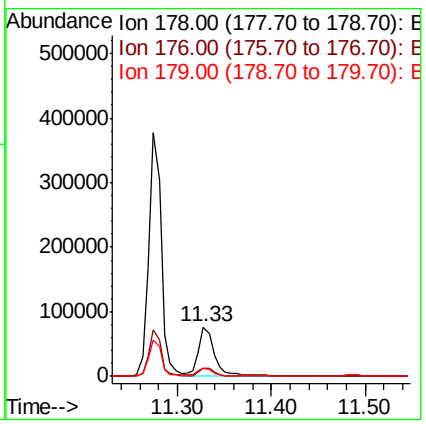
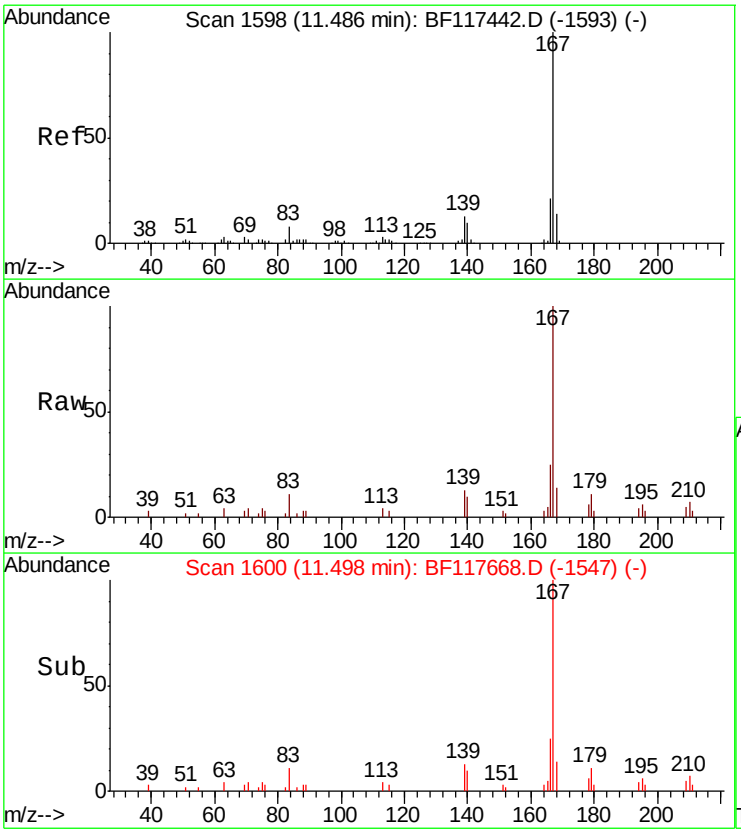
11/1/2019 12:34:44 PM

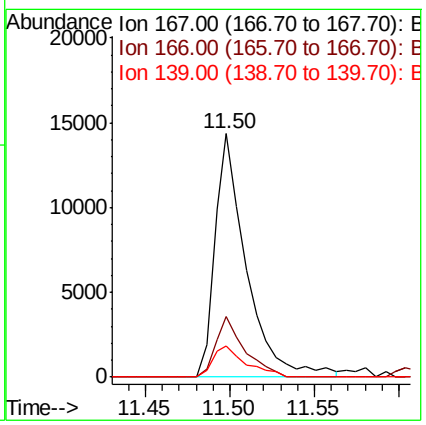


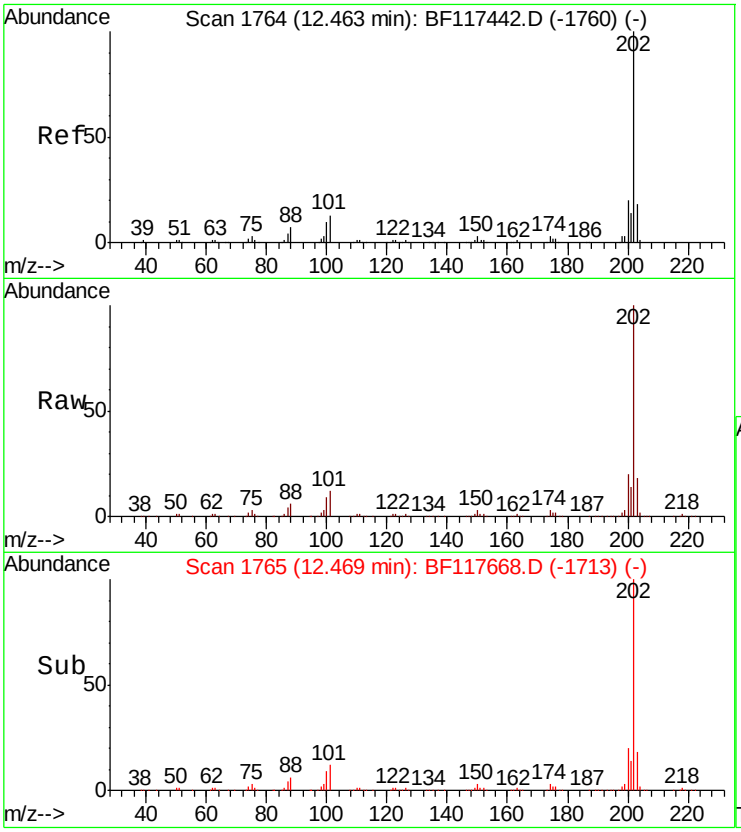


#73
Carbazole
Concen: 2.776 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:167 Resp: 18562

Ion	Ratio	Lower	Upper
167	100		
166	24.6	17.0	25.6
139	12.8	10.6	16.0

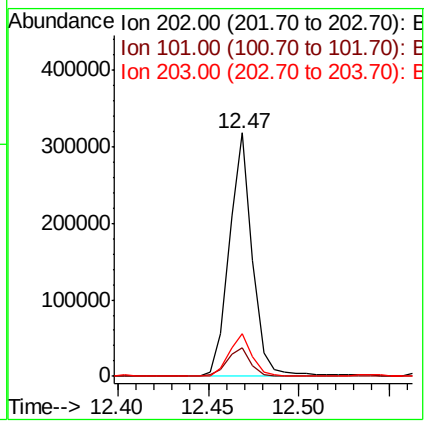




#75
Fluoranthene
Concen: 39.468 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:202 Resp: 281769

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.7
203	17.5	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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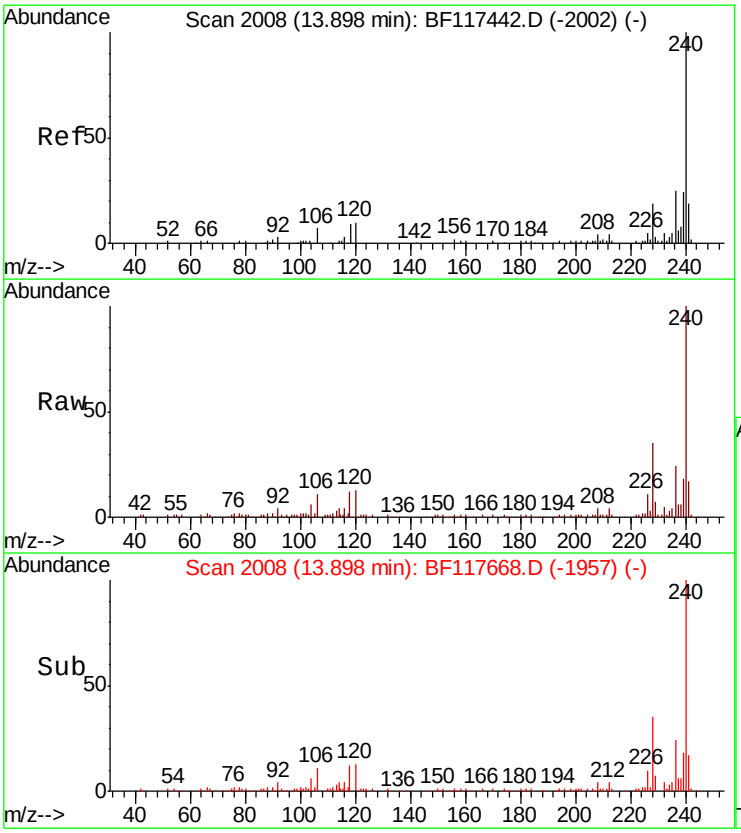
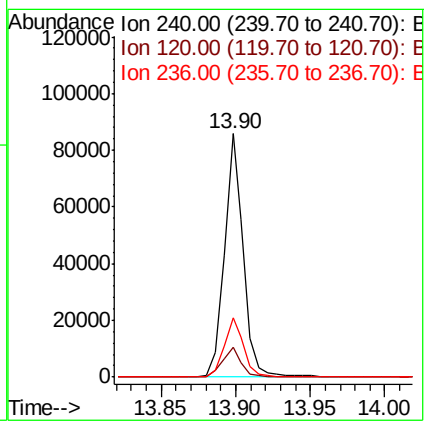
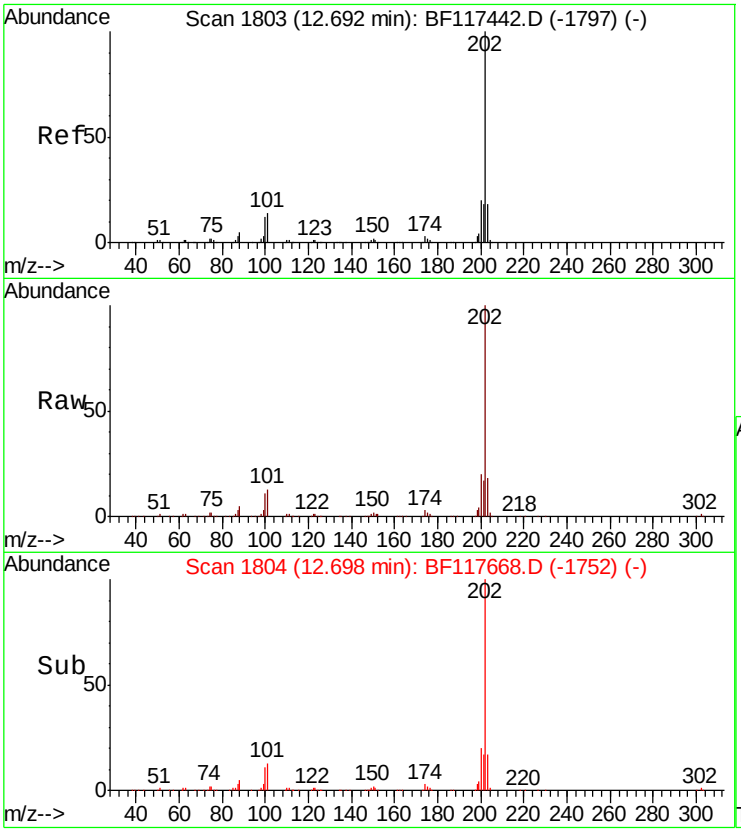


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:240 Resp: 76663

Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.4	12.6
236	24.4	20.0	30.0

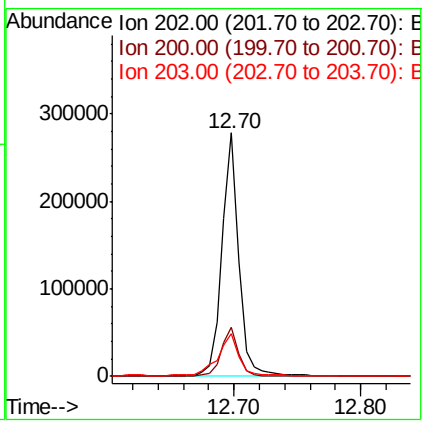




#78
Pyrene
Concen: 38.883 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:202 Resp: 256045

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.6	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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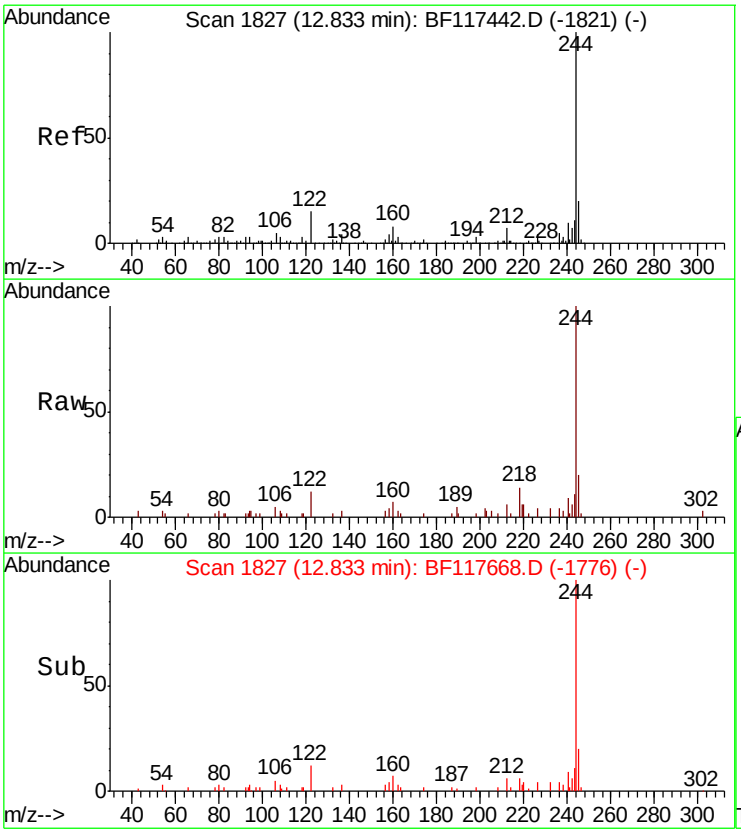
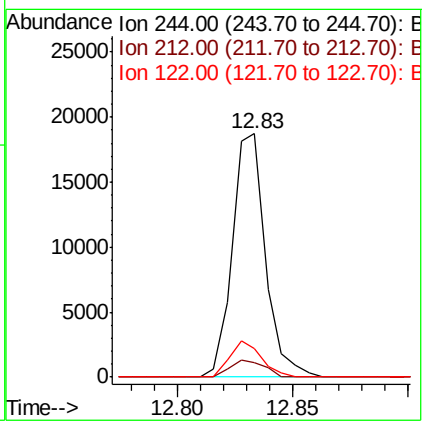
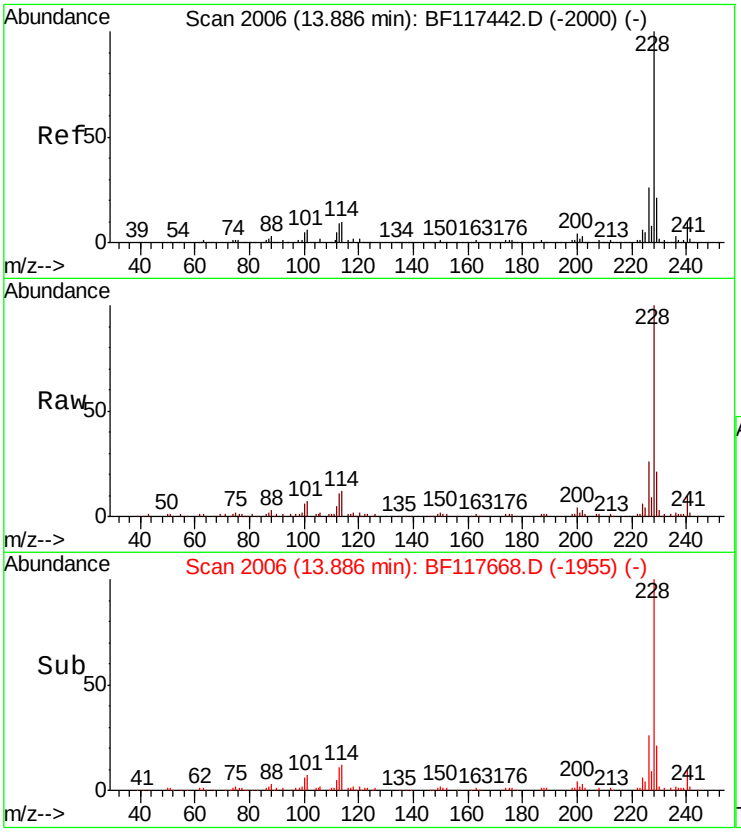


#79
Terphenyl-d14
Concen: 3.985 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:244 Resp: 18729

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.6
122	12.0	11.8	17.8

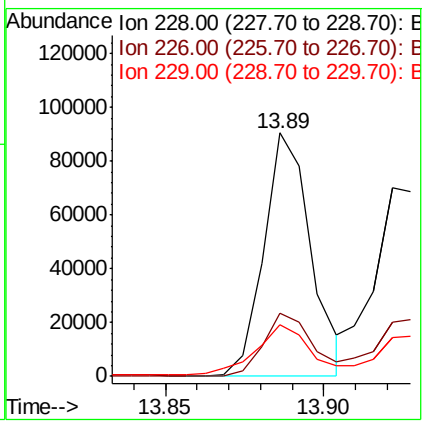




#81
Benzo(a)anthracene
Concen: 17.917 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:228 Resp: 92651

Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.0	31.4
229	21.0	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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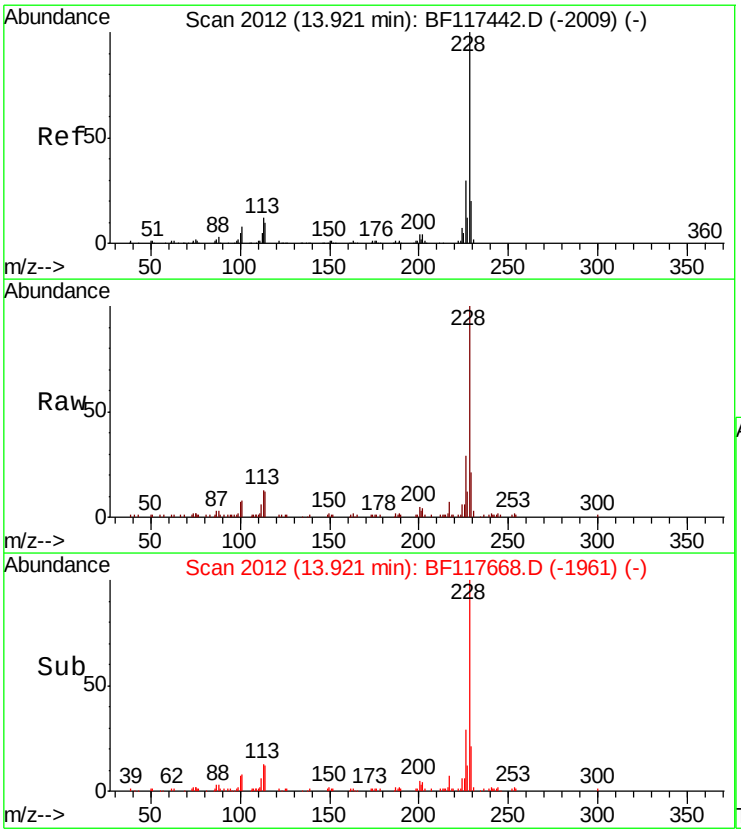
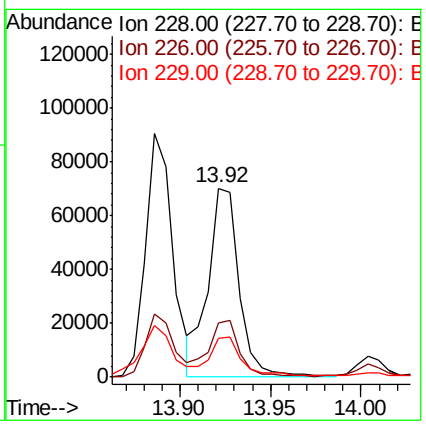
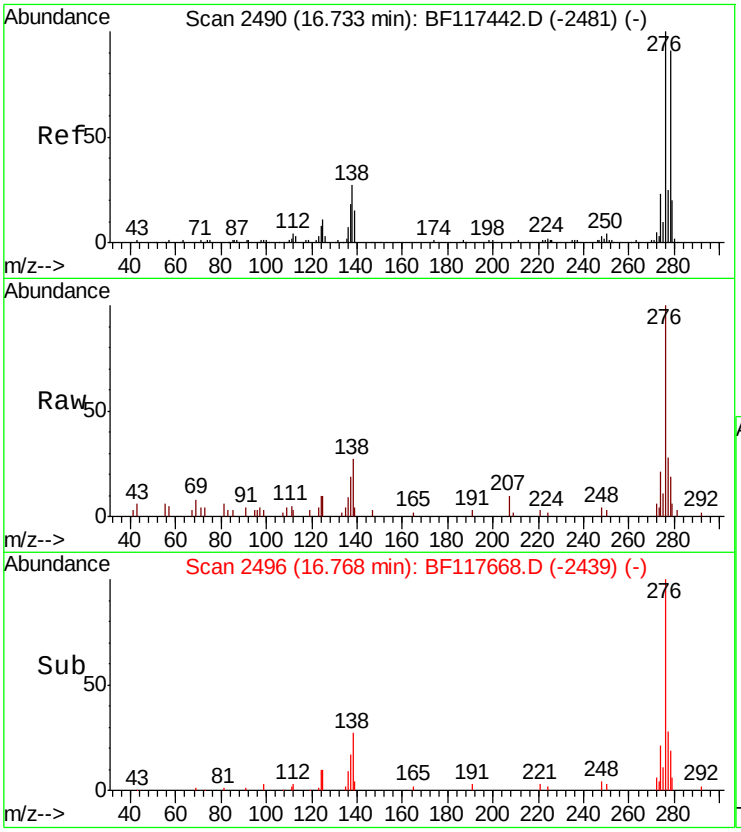


#83
Chrysene
Concen: 16.275 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:228 Resp: 82484

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.9	35.9
229	20.5	15.8	23.6

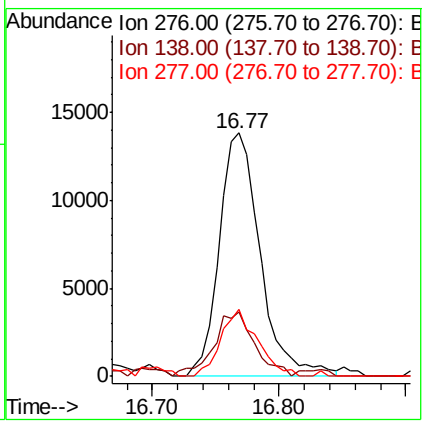




#86
Indeno(1,2,3-cd)pyrene
Concen: 8.193 ng
RT: 16.77 min Scan# 2496
Delta R.T. 0.04 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:276 Resp: 31002

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.8	32.8
277	24.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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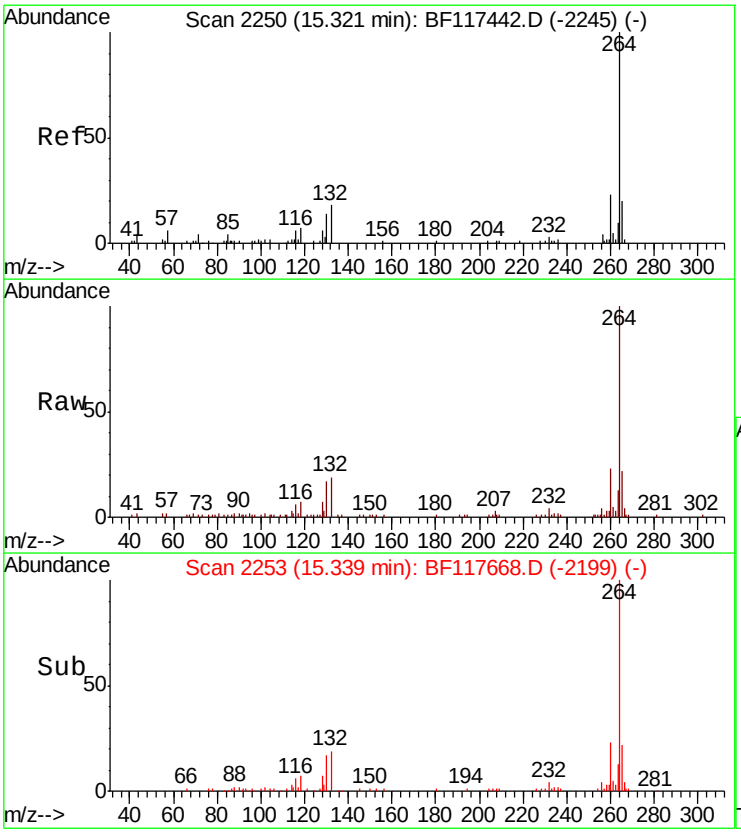
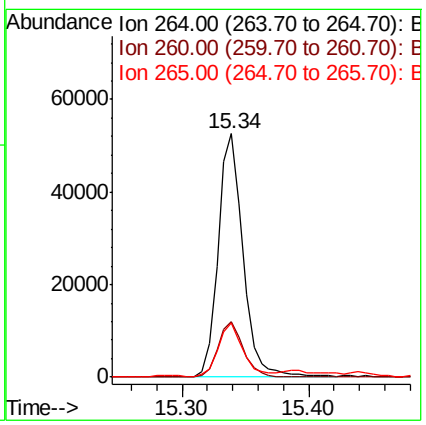
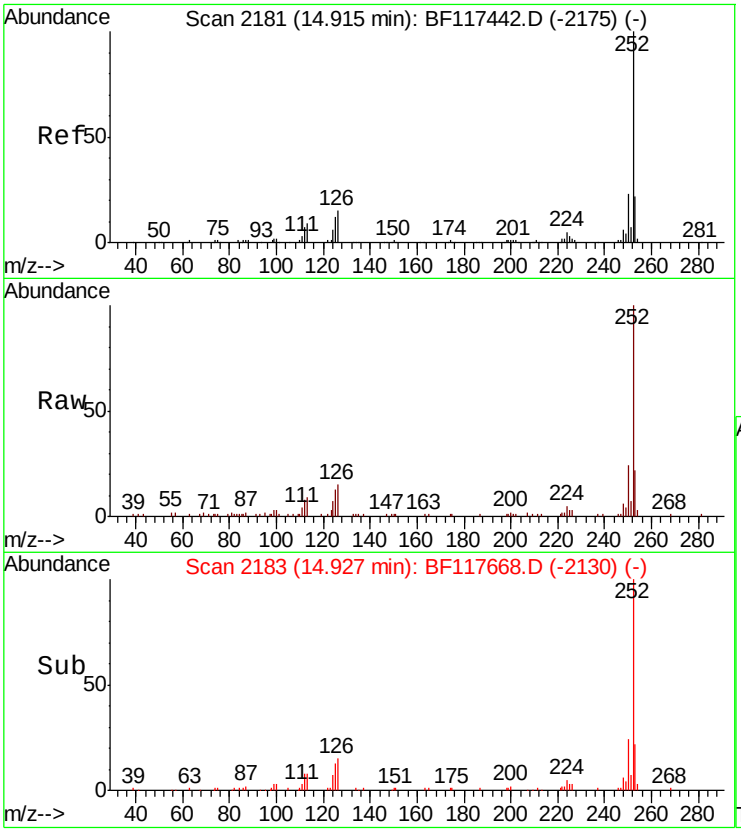


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:264 Resp: 71668

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	22.4	16.1	24.1

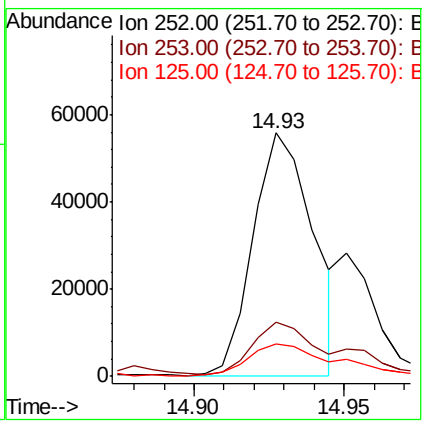




#88
Benzo(b)fluoranthene
Concen: 18.385 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:252 Resp: 77807

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	13.1	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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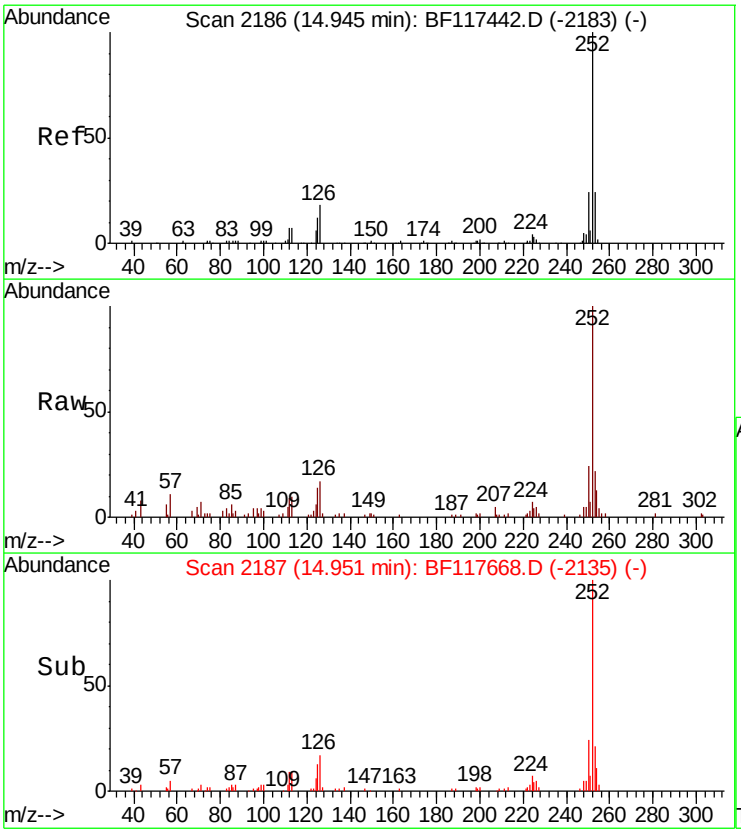
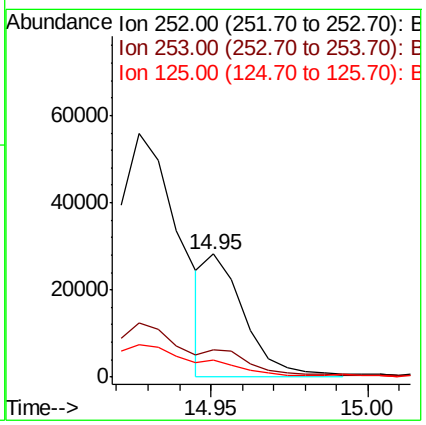
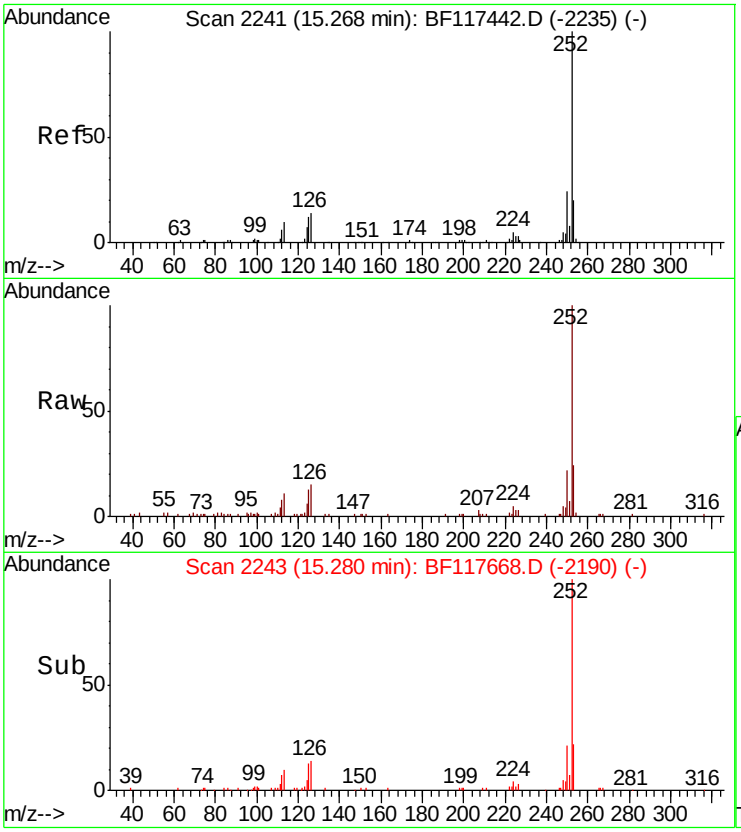


#89
Benzo(k)fluoranthene
Concen: 5.761 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:252 Resp: 24989

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	14.0	8.9	13.3#

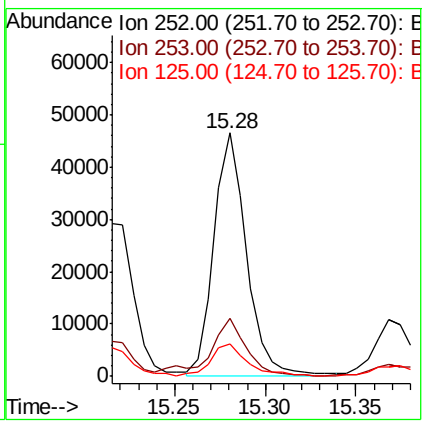




#90
Benzo(a)pyrene
Concen: 15.259 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:252 Resp: 58715

Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.3	24.5
125	13.5	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
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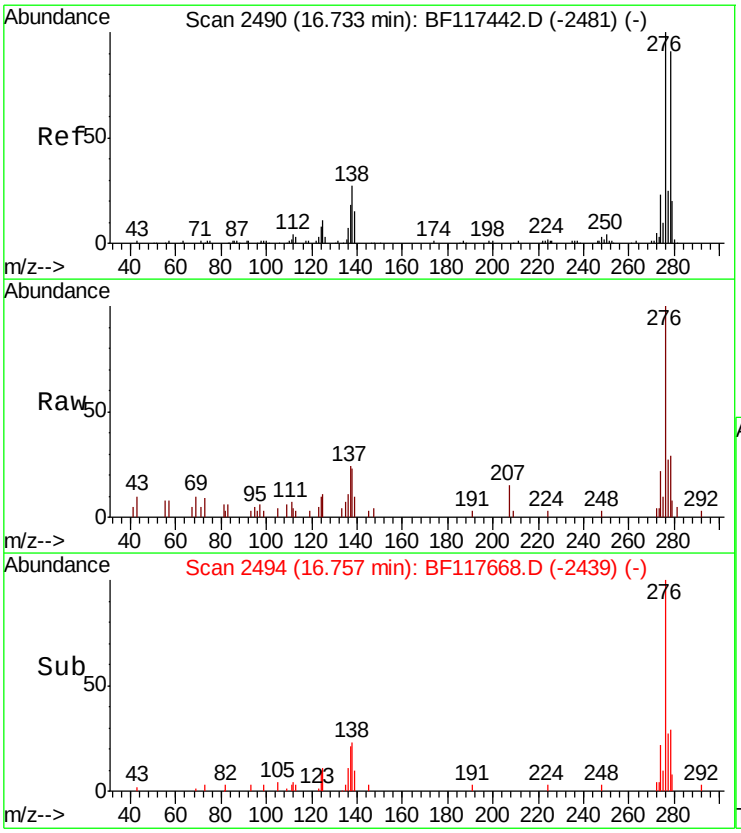
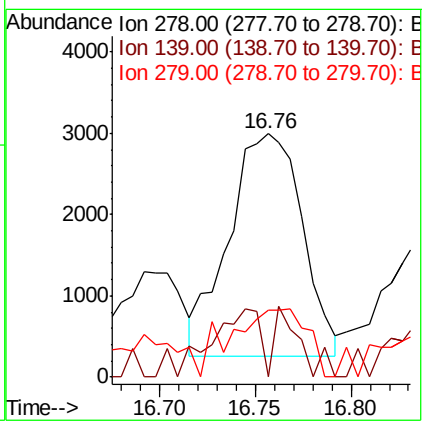
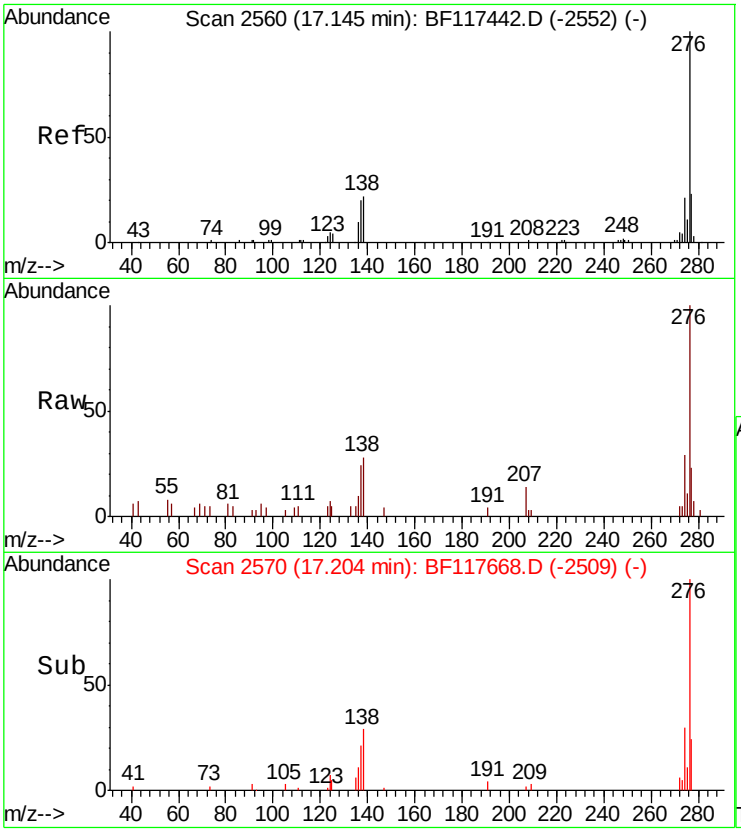


#91
Dibenzo(a,h)anthracene
Concen: 2.197 ng m
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:278 Resp: 7309

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	27.7	17.8	26.6#

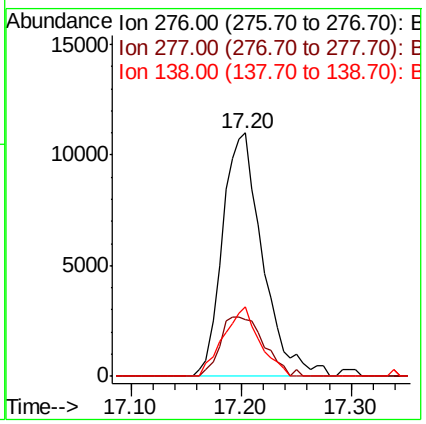




#92
Benzo(g,h,i)perylene
Concen: 8.883 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:276 Resp: 27964

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.4	27.6
138	28.5	17.8	26.6#



Instrument :
BNA_F
ClientSampleId :
CSA-2-1-8DL

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